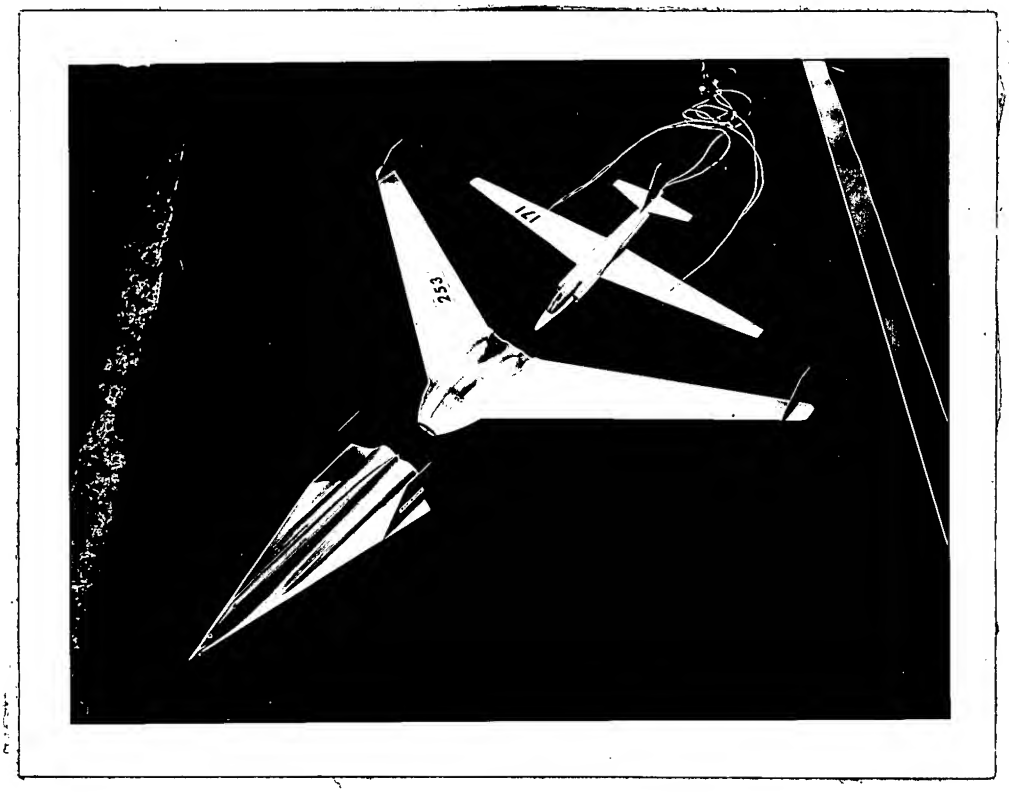
NRO Review Completed.



Approved For Release 2009/05/28 : CIA-RDP74B00752R000100360001-6

COMPARISON OF RADAR RETURN FROM ARROW I, G2S-57 & U-2

The following is a comparison of the return from 1/40th scale models of relatively simple aircraft shapes designated Arrow I, G2S-57 and U-2. Comparisons have been made between the three models at a range of 228" and 62", this range being measured from the center of rotation of the model to the apex of the transmitting horn. Measurements were made at the test frequencies of 2.9, 5.9 and 9 Kmc which give full scale frequencies of 72.5, 147 and 225 mc.

The first chart of this report shows a comparison for each model between the response at a range of 62" and the response at 228" for an elevation angle of 0° and both horizontal and vertical polarization.

The second chart shows a comparison of the three models at the range of 62" for a 0° elevation.

The third chart shows a comparison of the three models at a range of 228" at both polarizations and for elevation angles of 0°, -7° and 11°.

In computing the peak response the actual peak value has been used without degrading it to the 3° wide point.

COMPARISON OF 62" AND 228" RANGE MEASUREMENTS ON 1/40th SCALE ARROW I, G2S-57 AND U-2

Square Meters

Arrow I

Freq. mc.	$\bar{\epsilon}$	Elev. Angle	62" Range Av.	62" Range Peak (1)	62" Range Peak (2)	228" Range Av.	228" Range Peak (1)	228" Range Peak (2)
72.5		0	5.5	57	21	6.5	73	20
147.0	Hor.	0	3.5	57	90	6.0	180	40
225.0		0	7.0	130	110	12.0	260	125
72.5		0	7.5	90	18	8.0	125	18
147.0	Vert.	0	4.0	110	32	8.0	180	30
225.0		0	7.5	240	125	17.0	520	180

G2S-57

			Av.	Peak (1)	Peak (2)	Av.	Peak (1)	Peak (2)
72.5		0	8.0	65	90	12.5	45	190
147.0	Hor.	0	3.5	25	25	8.0	80	150
225.0		0	8.0	36	45	12.5	190	190
72.5		0	3.6	50	9	6.4	64	36
147.0	Vert.	0	3.5	45	10	8.0	90	23
225.0		0	8.0	80	10	13.0	180	23

U-2

			Av.	Peak (1)	Peak (2)	Av.	Peak (1)	Peak (2)
72.5		0	16.0	110	28	21.0	230	55
147.0	Hor.	0	7.5	160	11	12.5	400	40
225.0		0	14.0	450	42	22.0	500	80
72.5		0	4.5	45	5	6.5	90	9
147.0	Vert.	0	7.6	80	6	9.0	145	8
225.0		0	9.0	300	---	14.0	450	---

NOTE: See Patterns for Exact Location of Peak

COMPARISON OF 1/40th SCALE
ARROW I, G2S-57 AND U-2

Measured at 62" Range

Square Meters

Freq. mc.	$\bar{\epsilon}$	Elev. Angle	Arrow I Av.	Arrow I Peak (1)	Arrow I Peak (2)	G2S-57 Av.	G2S-57 Peak (1)	G2S-57 Peak (2)	U-2 Av.	U-2 Peak (1)	U-2 Peak (2)
72.5		0	5.5	57	21	8.0	65	90	16.0	110	28.0
147.0	Hor.	0	3.5	57	90	3.5	25	25	7.5	160	11.0
225.0		0	7.0	130	110	8.0	36	45	14.0	450	42.0
72.5		0	7.5	90	18	3.6	50	9	4.5	45	5.0
147.0	Vert.	0	4.0	110	32	3.5	45	10	7.6	80	6.0
225.0		0	7.5	240	125	8.0	80	10	9.0	300	- -

Peak
(1) Broadside
(2) Aft

Broadside Leading Edge

Broadside Leading Edge

NOTE: See Patterns for Exact Location of Peak

COMPARISON OF 1/40th SCALE
ARROW I, G2S-57 AND U-2

Measured at 228" Range

Square Meters

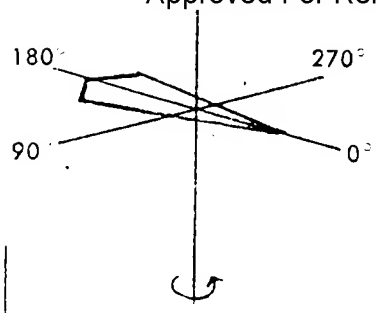
Freq. mc.	ϵ	Elev. Angle	Arrow I Av.	Arrow I Peak (1)	Arrow I Peak (2)	G2S-57 Av.	G2S-57 Peak (1)	G2S-57 Peak (2)	U-2 Av.	U-2 Peak (1)	U-2 Peak (2)
72.5		0	6.5	73	20	12.5	45	190	21.0	230	55.0
147.0	Hor.	0	6.0	180	40	8.0	80	150	12.5	400	40.0
225.0		0	12.0	260	125	12.5	190	190	22.0	500	80.0
72.5		0	8.0	125	18	6.4	64	36	6.5	90	9.0
147.0	Vert.	0	8.0	180	30	8.0	90	23	9.0	145	8.0
225.0		0	17.0	520	180	13.0	180	23	14.0	450	- -
72.5		-7	9.5	65	40	16.0	45	230	25.0	160	43.0
147.0	Hor.	-7	5.0	80	90	11.5	80	160	9.0	200	40.0
225.0		-7	10.0	72	90	13.0	110	180	10.6	460	100.0
72.5		-7	8.0	72	18	7.5	80	40	5.0	95	4.0
147.0	Vert.	-7	8.0	57	90	10.0	110	28	6.4	50	14.0
225.0		-7	12.5	108	120	13.0	160	35	13.0	500	25.0
72.5		-11	8.5	64	25	10.0	35	180	30.0	240	18.0
147.0	Hor.	-11	5.0	80	80	8.0	90	180	8.0	170	30.0
225.0		-11	12.0	57	72	14.5	200	57	15.0	230	85.0
72.5		-11	8.0	47	23	12.0	80	57	5.8	170	4.5
147.0	Vert.	-11	7.0	112	82	10.0	145	25	4.1	90	23.0
225.0		-11	8.0	50	110	9.0	90	100	8.0	400	58.0

Peak
(1) Broadside
(2) Aft.

G2S-57: (1) Broadside; (2) Leading Edge

U-2: (1) Broadside; (2) Leading Edge

NOTE: See Patterns for Exact Location of Peak



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -20
MISC.:	

MODEL NO.	248-4
TEST FREQ.	2.9 KMC
$\bar{E}$ // TO AXIS OF ROTATION / TO PLANE OF SAMPLE	
RANGE	62"
DATE	JAN 13 1958

$\bar{E}$ = →

θ° = 0

Av.-5.5m^2
Pk(1)-57m^2
Pk(2)-21m^2

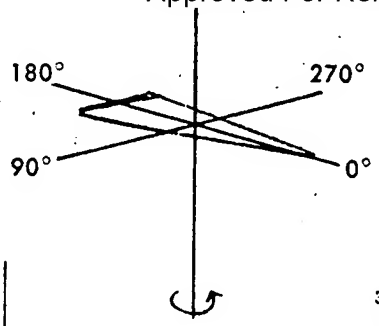
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: Arrow I

DETAILS: w/5° Stabs (Rebuilt-2)

Polar Chart No. 127D
SCIENTIFIC ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	248-4
TEST FREQ.	5.9 KMC
$\bar{\varepsilon}$ // ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	62"
DATE	JAN 13 1959

Ax.=3.5m^2
Pk(1)-57m^2
Pk(2)-90m^2

$\bar{\varepsilon} = \rightarrow$

$\theta° = 0$

MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	147 mc

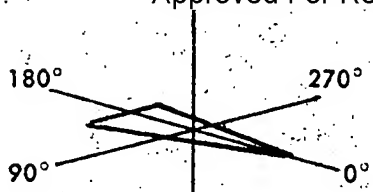
BASIC MODEL:

Arrow I

DETAILS:

w/5° Stabs (Rebuilt-2)

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 15
MISC.: - 10 db Amp Atten	

MODEL NO.	248-4
TEST FREQ.	9 KMC
$\bar{E}$ ||	~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE
RANGE	62"
DATE	JAN 1 4 19[illegible]

Av.-7m^2
Pk(1)-130m^2
Pk(2)-110m^2

$\bar{E}$ = →

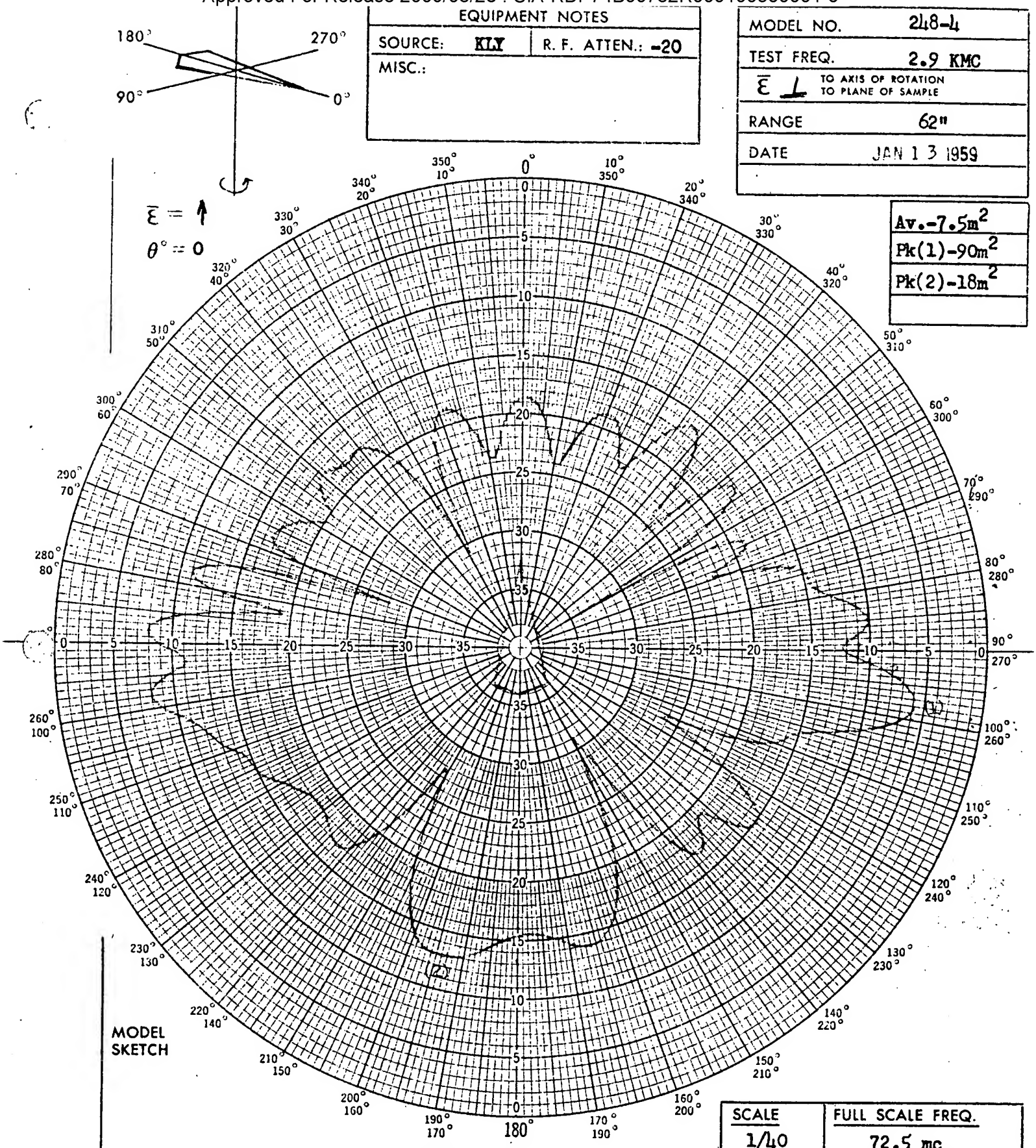
θ° = 0

MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

BASIC MODEL: Arrow I
DETAILS: w/5° Stabs (Rebuilt-2)

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -20
MISC.:	

MODEL NO.	248-4
TEST FREQ.	2.9 KMC
$\bar{E}$ ⊥	TO AXIS OF ROTATION TO PLANE OF SAMPLE
RANGE	62"
DATE	JAN 13 1959

Av.-7.5m²
Pk(1)-90m²
Pk(2)-18m²

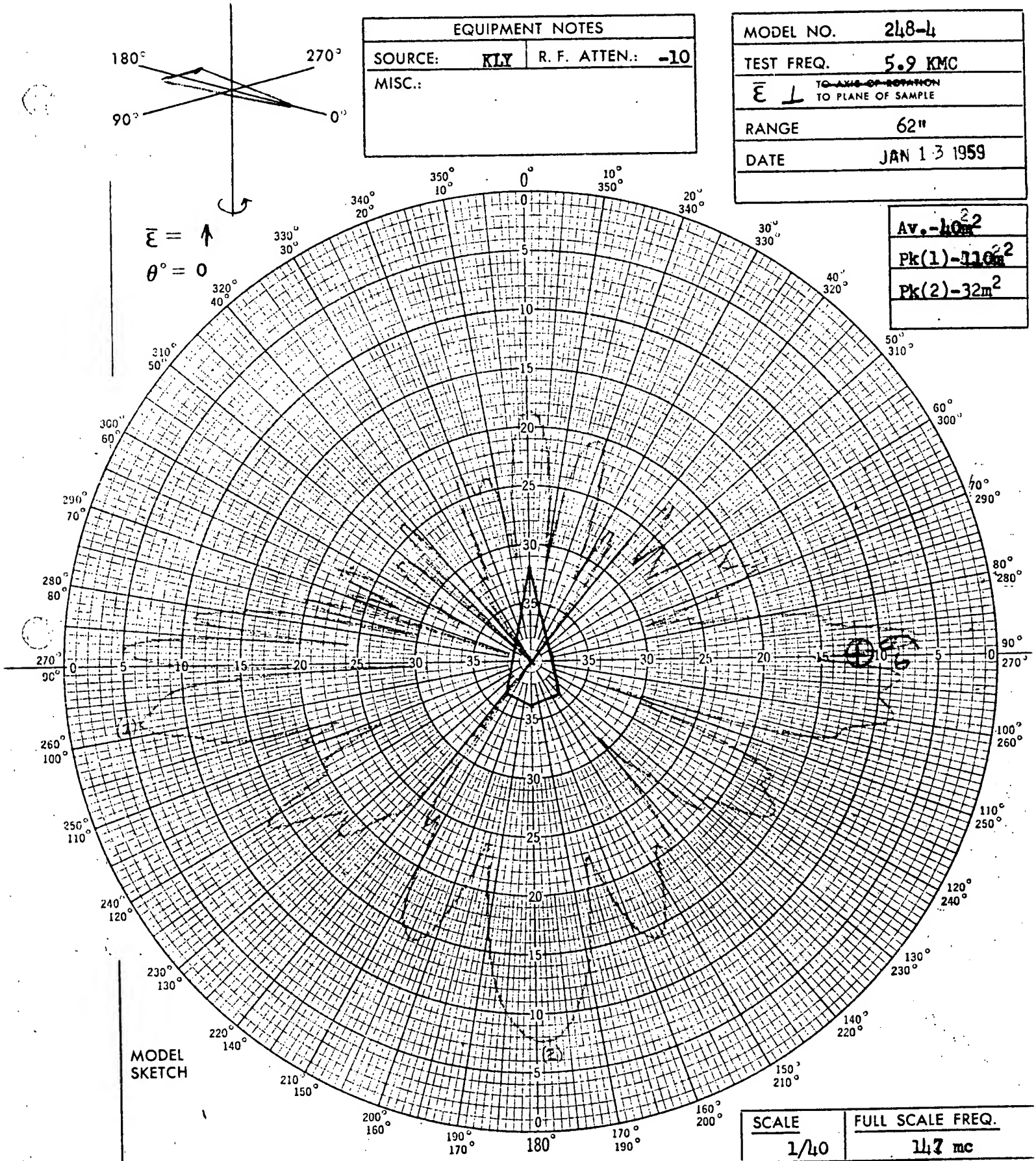
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: Arrow I

DETAILS: w/5° Stabs (Rebuilt-2)

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	248-4
TEST FREQ.	5.9 KMC
$\bar{E}$ ⊥ ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	62"
DATE	JAN 13 1959

Av.-40m^2
Pk(1)-110m^2
Pk(2)-32m^2

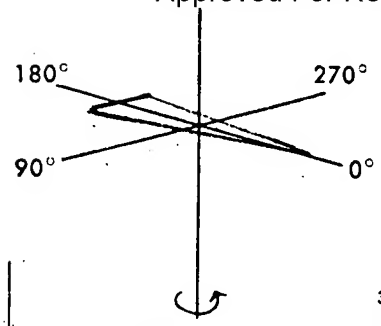
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	147 mc

BASIC MODEL: Arrow I

DETAILS: w/5° Stabs (Rebuilt-2)

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 15
MISC.: 10 db Amp Atten	

MODEL NO.	248-4
TEST FREQ.	9 KMC
$\bar{\varepsilon} \perp$	~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE
RANGE	62"
DATE	JAN 14 1959

Av.-7.5m²
Pk(1)-240m²
Pk(2)-125m²

$\bar{\varepsilon} = \uparrow$

$\theta° = 0$

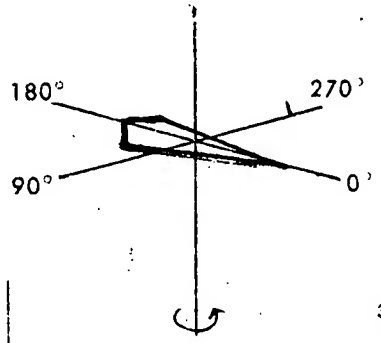
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

BASIC MODEL: Arrow I

DETAILS: w/5° Stabs (Rebuilt-2)

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



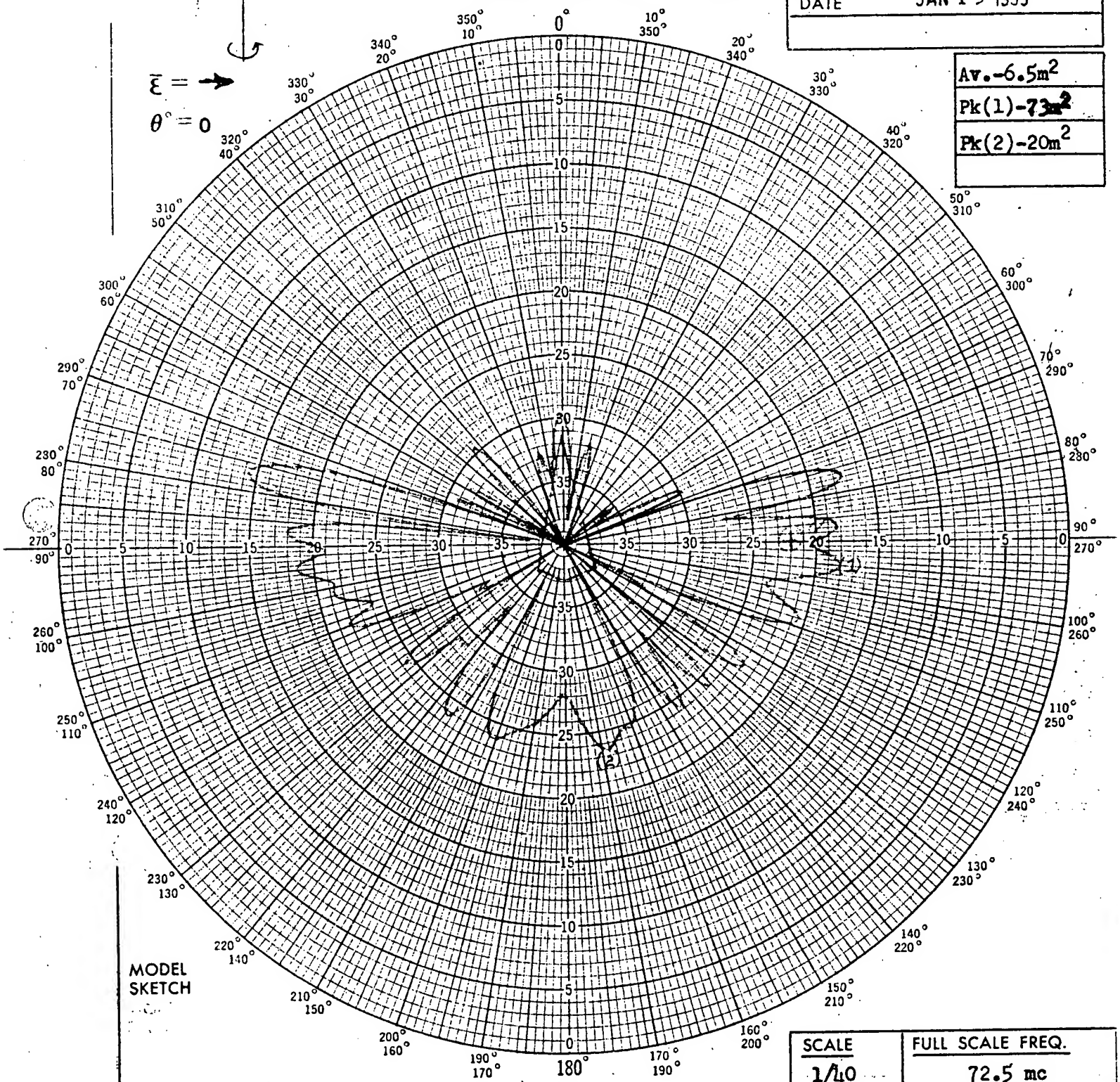
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	248-4
TEST FREQ.	2.9 KMC
$\bar{E}$ //	TO AXIS OF ROTATION / TO PLANE OF SAMPLE
RANGE	228'
DATE	JAN 1 3 1959

Av.-6.5m^2
Pk(1)-73m^2
Pk(2)-20m^2

$\bar{E}$ = →

$\theta^\circ = 0$



MODEL SKETCH

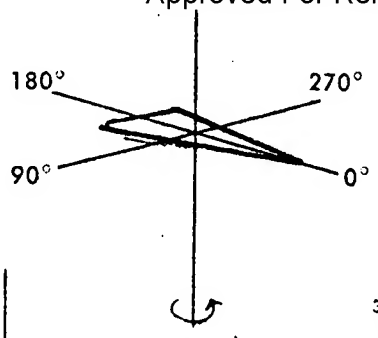
SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: Arrow I

DETAILS:

w/40

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 0
MISC.:	

MODEL NO.	248.4
TEST FREQ.	5.9 KMC
$\bar{\varepsilon}$ // ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	228'
DATE	JAN 13 1959

Av.- 6m²
Pk(1)-180m²
Pk(2)-40m²

$\bar{\varepsilon}$ = →

θ° = 0

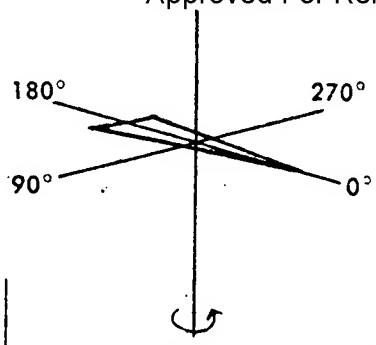
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	11.7 mc

BASIC MODEL: Arrow I

DETAILS: w/50 Stabs (Rebuilt-2)

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 5
MISC.:	

MODEL NO.	248-4
TEST FREQ.	9 KMC
$\bar{\varepsilon}$ || ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	228"
DATE	JAN 1 4 1959

Av.-12m^2
Pk(1)-260m^2
Pk(2)-125m^2

$\bar{\varepsilon} =$ →

$\theta° = 0$

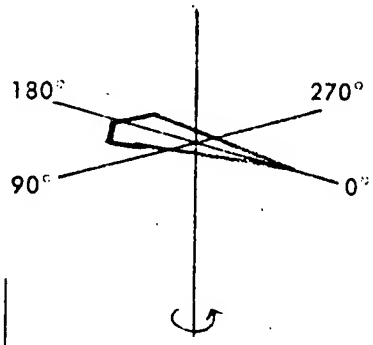
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

BASIC MODEL: Arrow I

DETAILS: w/50 Stabs (Rebuilt - 2)

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	248-4
TEST FREQ.	2.9 KMC
$\bar{E}$ //	TO AXIS OF ROTATION TO PLANE OF SAMPLE
RANGE	228'
DATE	JAN 13 1959

$\bar{E}$ = →

θ° = -7

Av.-9.5m^2
Pk(1)-65m^2
Pk(2)-40m^2

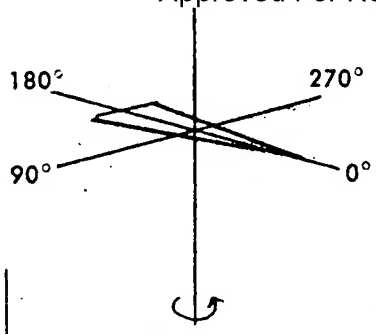
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: Arrow I

DETAILS: w/5° Stabs (Rebuilt-2)

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA GEOR



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 0
MISC.:	

MODEL NO.	248-4
TEST FREQ.	5.9 KMC
$\bar{E}$ // ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	228"
DATE	JAN 14 1959

$\bar{E} = \rightarrow$

$\theta° = -7$

Av. - $5m^2$
Pk(1)-$80m^2$
Pk(2)-$90m^2$

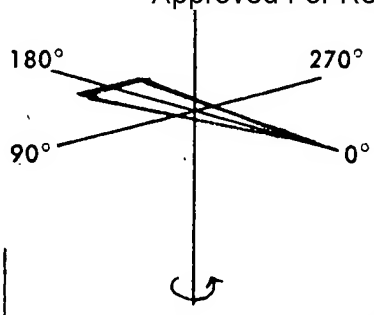
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	147 mc

BASIC MODEL: Arrow I

DETAILS: w/5° Stabs (Rebuilt-2)

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 5
MISC.:	

MODEL NO.	248-4
TEST FREQ.	9 KMC
$\bar{\varepsilon}$ ∥	TO AXIS OF ROTATION TO PLANE OF SAMPLE
RANGE	228"
DATE	JAN 1 , 1959

$\bar{\varepsilon}$ = →

$\theta°$ = -7

Av.-10m^2
Pk(1)-72m^2
Pk(2)-90m^2

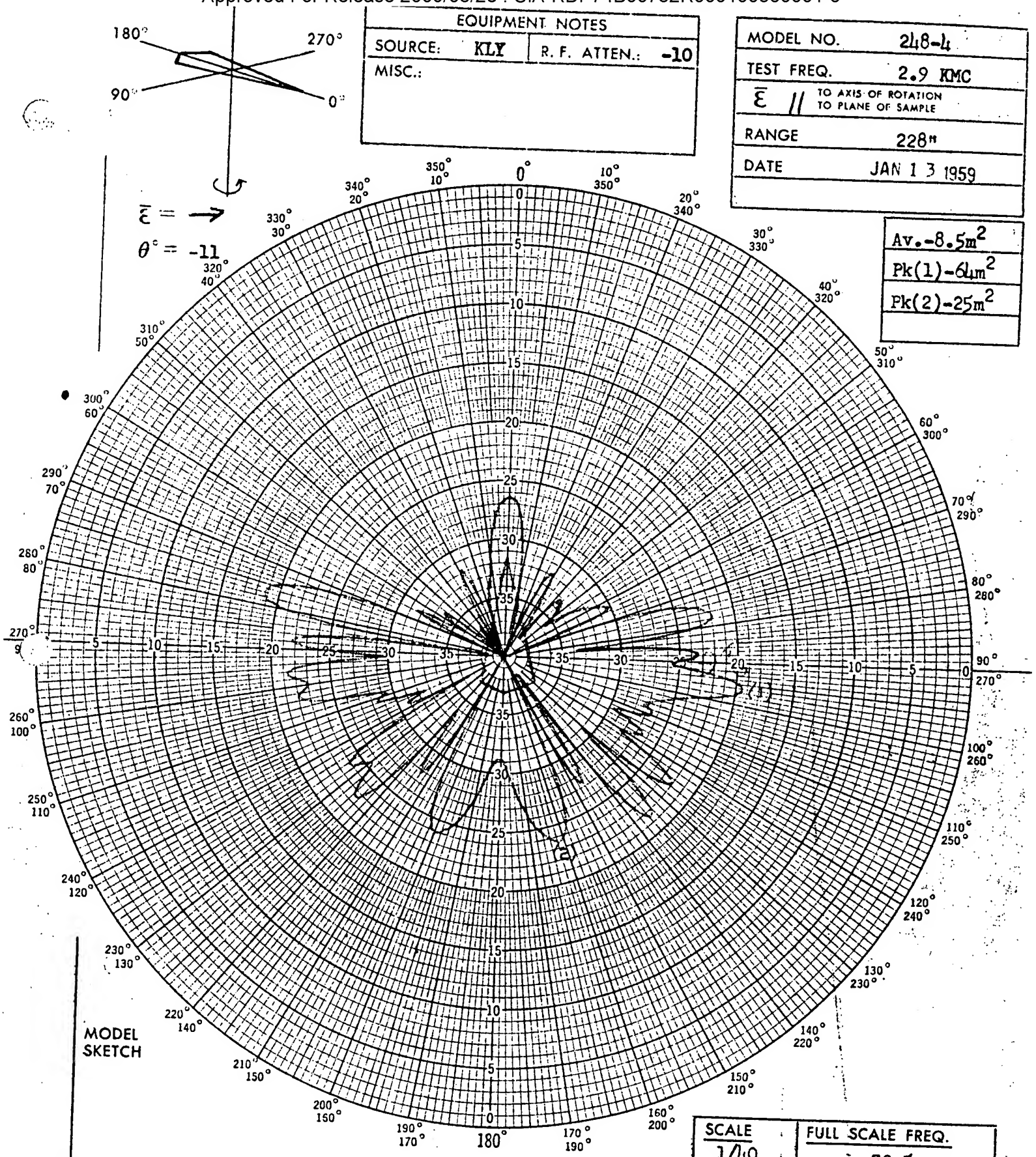
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

BASIC MODEL: Arrow I

DETAILS: w/5° Stabs (Rebuilt-2)

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	248-4
TEST FREQ.	2.9 KMC
$\bar{\varepsilon}$ //	TO AXIS OF ROTATION TO PLANE OF SAMPLE
RANGE	228"
DATE	JAN 1 3 1959

Av.-8.5m^2
Pk(1)-64m^2
Pk(2)-25m^2

MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: Arrow I

DETAILS: w/5° Stabs (Rebuilt-2)

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA

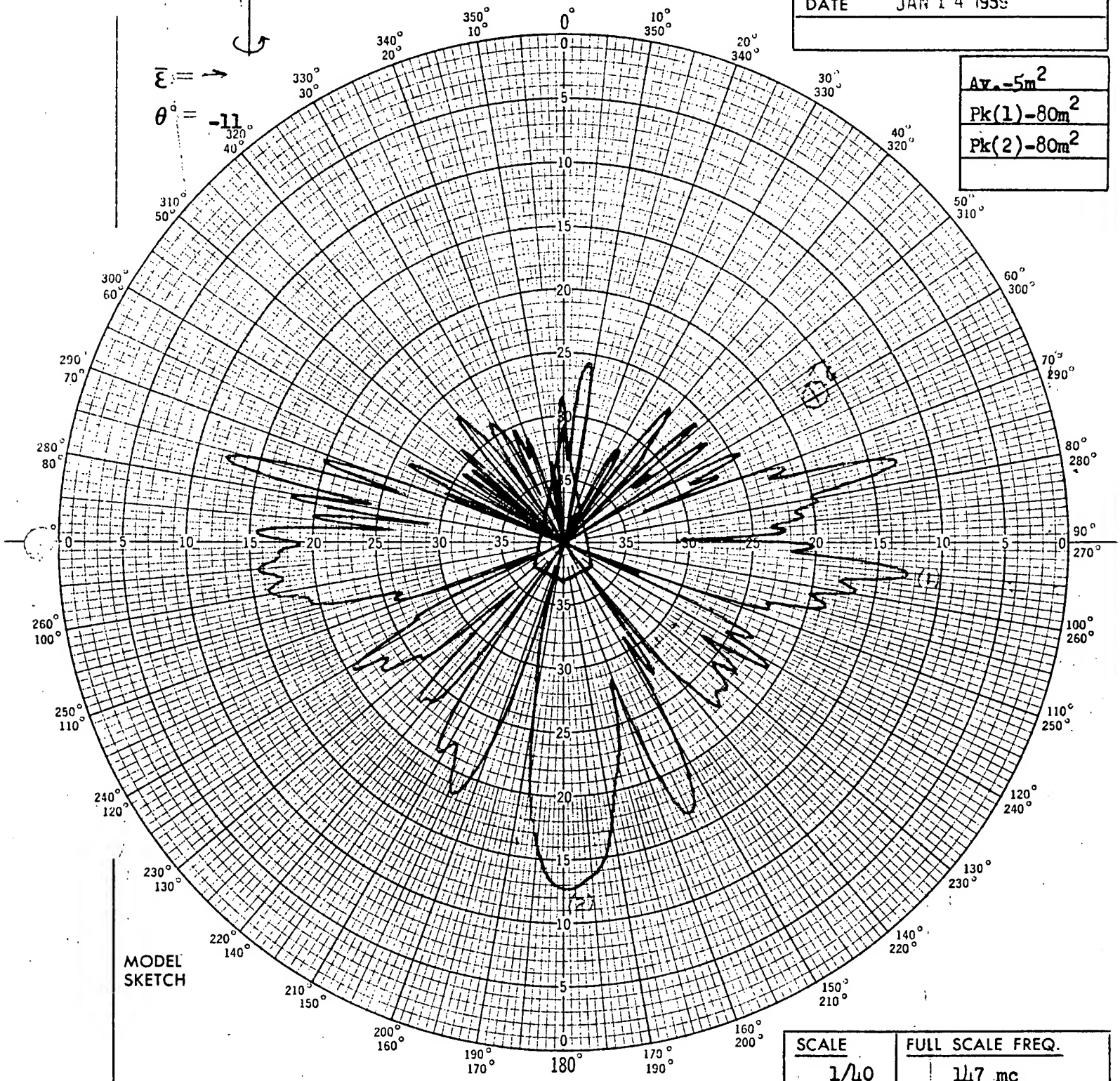
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 0
MISC.:	

MODEL NO.	248-4
TEST FREQ.	5.9 KMC
$\bar{E}$ || ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	228"
DATE	JAN 14 1959

Av.-5m^2
Pk(1)-80m^2
Pk(2)-80m^2

$\bar{E}$ = →

θ° = -11°



MODEL SKETCH

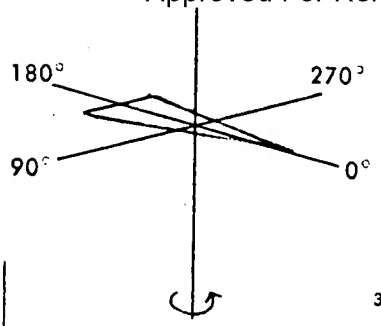
SCALE	FULL SCALE FREQ.
1/40	147 mc

BASIC MODEL: Arrow I

DETAILS: w/5° Stabs (Rebuilt-2)

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA

Approved For Release 2009/05/28 : CIA-RDP74B00752R000100360001-6



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 5
MISC.:	

MODEL NO.	248-4
TEST FREQ.	9 KMC
$\bar{E}$ || ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	228'
DATE	JAN 14 1960

$\bar{E}$ = →

$\theta°$ = -11

Av.-12m^2
Pk(1)-52m^2
Pk(2)-72m^2

MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

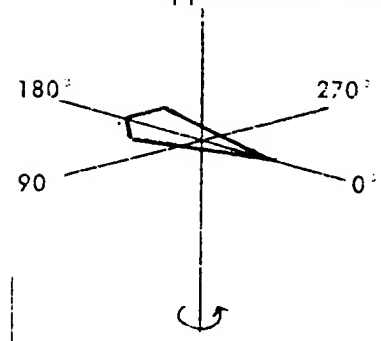
BASIC MODEL:

Arrow I

DETAILS:

w/5° Stabs (Rebuilt-2)

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



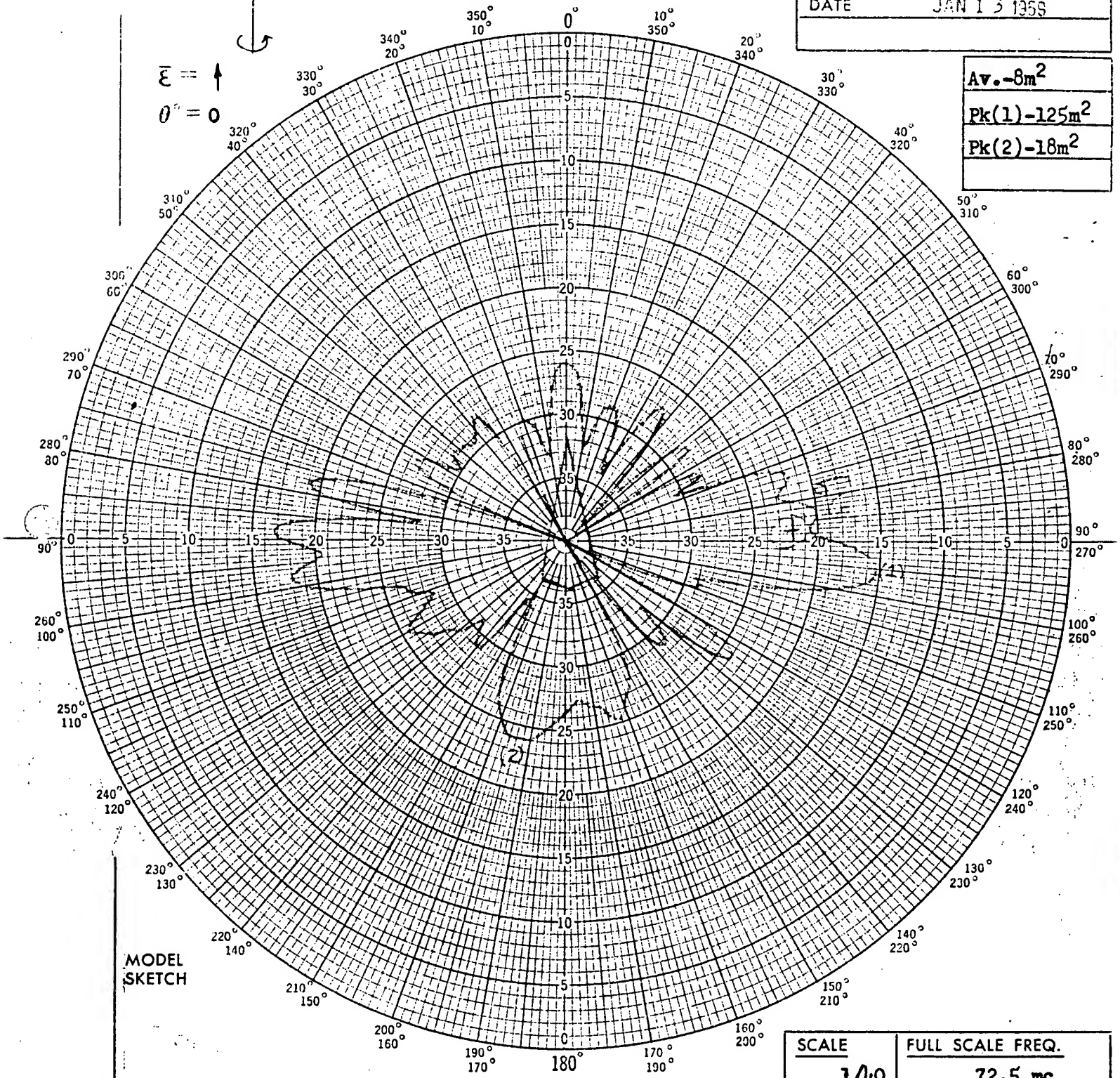
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	248-4
TEST FREQ.	2.9 KMC
$\bar{E}$ ⊥ TO AXIS OF ROTATION TO PLANE OF SAMPLE	
RANGE	228'
DATE	JAN 13 1959

$\bar{E}$ = ↑

$\theta° = 0$

Av.-8m²
Pk(1)-125m²
Pk(2)-18m²



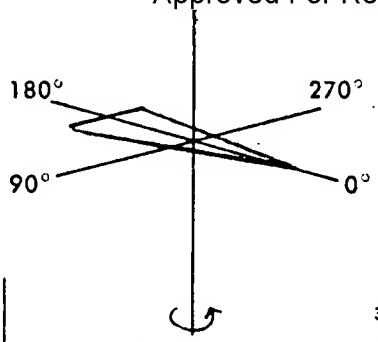
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: Arrow I

DETAILS: 2/50 Stabs. (Rebuilt -2)

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



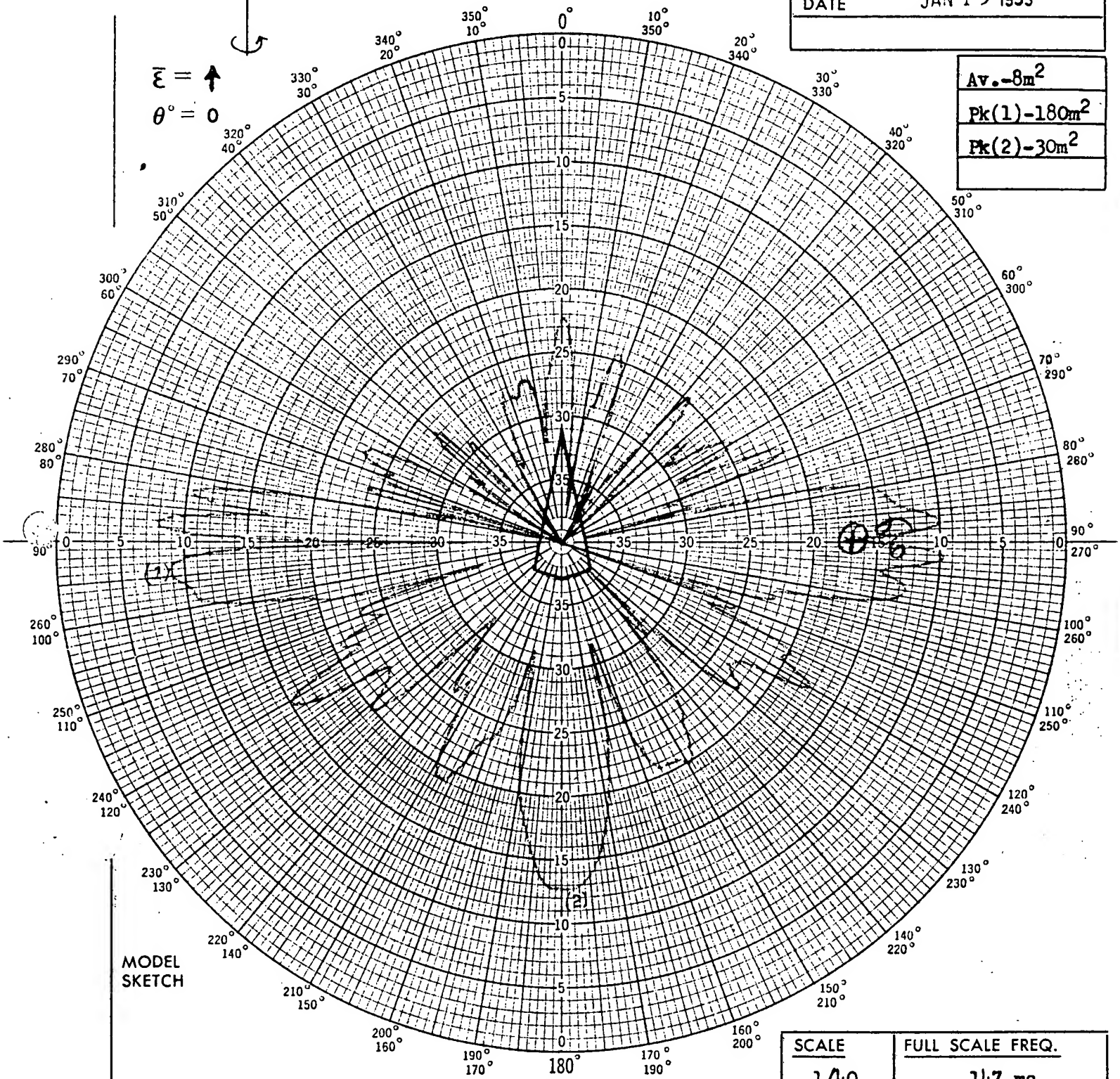
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 0
MISC.:	

MODEL NO.	248-4
TEST FREQ.	5.9 KMC
$\bar{\varepsilon}$	⊥ ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE
RANGE	228'
DATE	JAN 13 1959

$\bar{\varepsilon} =$ ↑

$\theta° = 0$

Av.-8m²
Pk(1)-180m²
Pk(2)-30m²



MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	147 mc

BASIC MODEL: Arrow I

DETAILS: w/50° Stabs (Rebuilt-2)

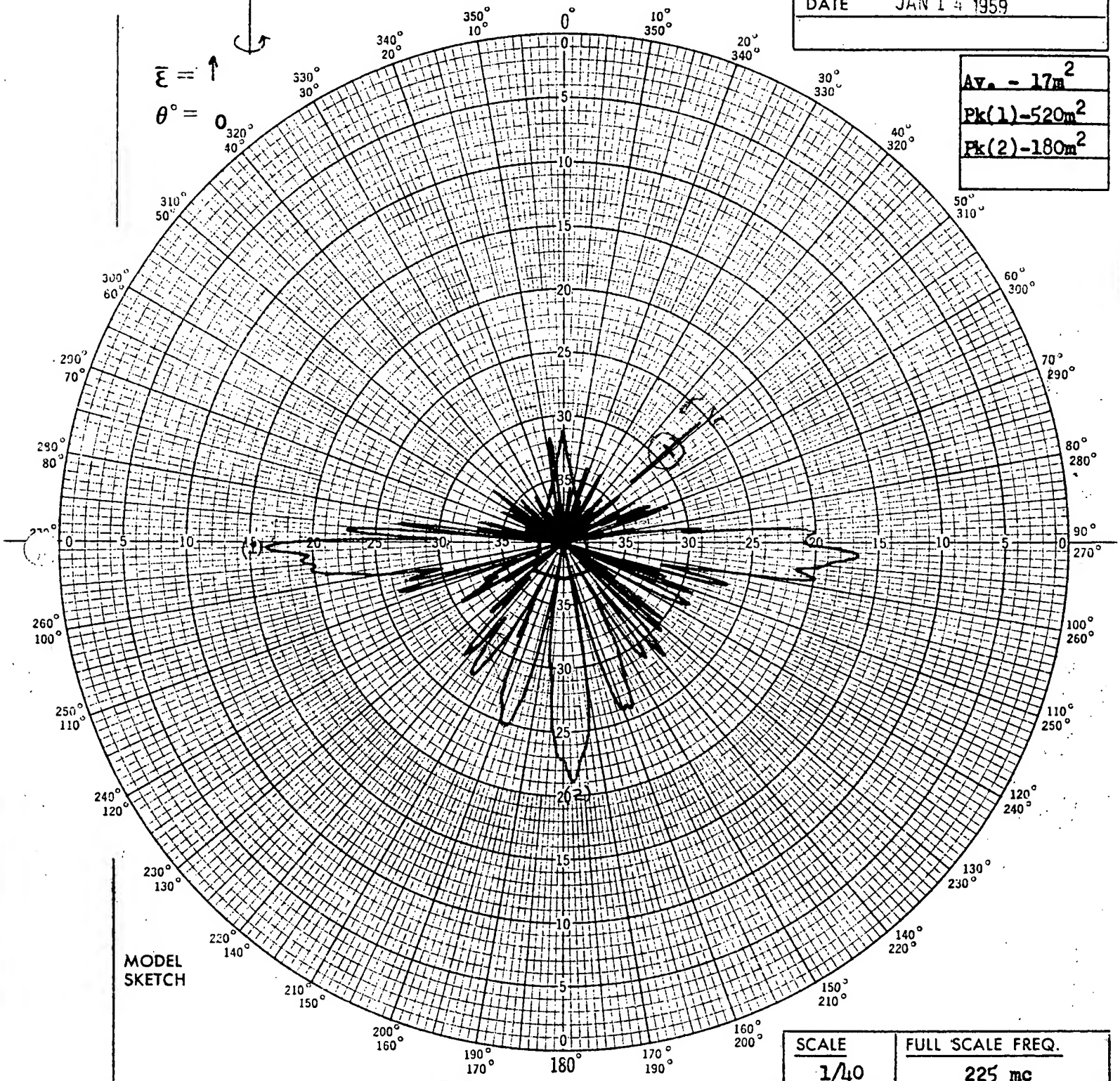
Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA

EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 5
MISC.:	

MODEL NO.	248-4
TEST FREQ.	9 KMC
$\bar{E}$ ⊥	~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE
RANGE	228m
DATE	JAN 14 1959

Av. - 17m²
Pk(1)-520m²
Pk(2)-180m²

$\bar{E}$ = ↑
θ° = 0



MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

BASIC MODEL: Arrow I

DETAILS: w/5° Stabs (Rebuilt-2)

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA

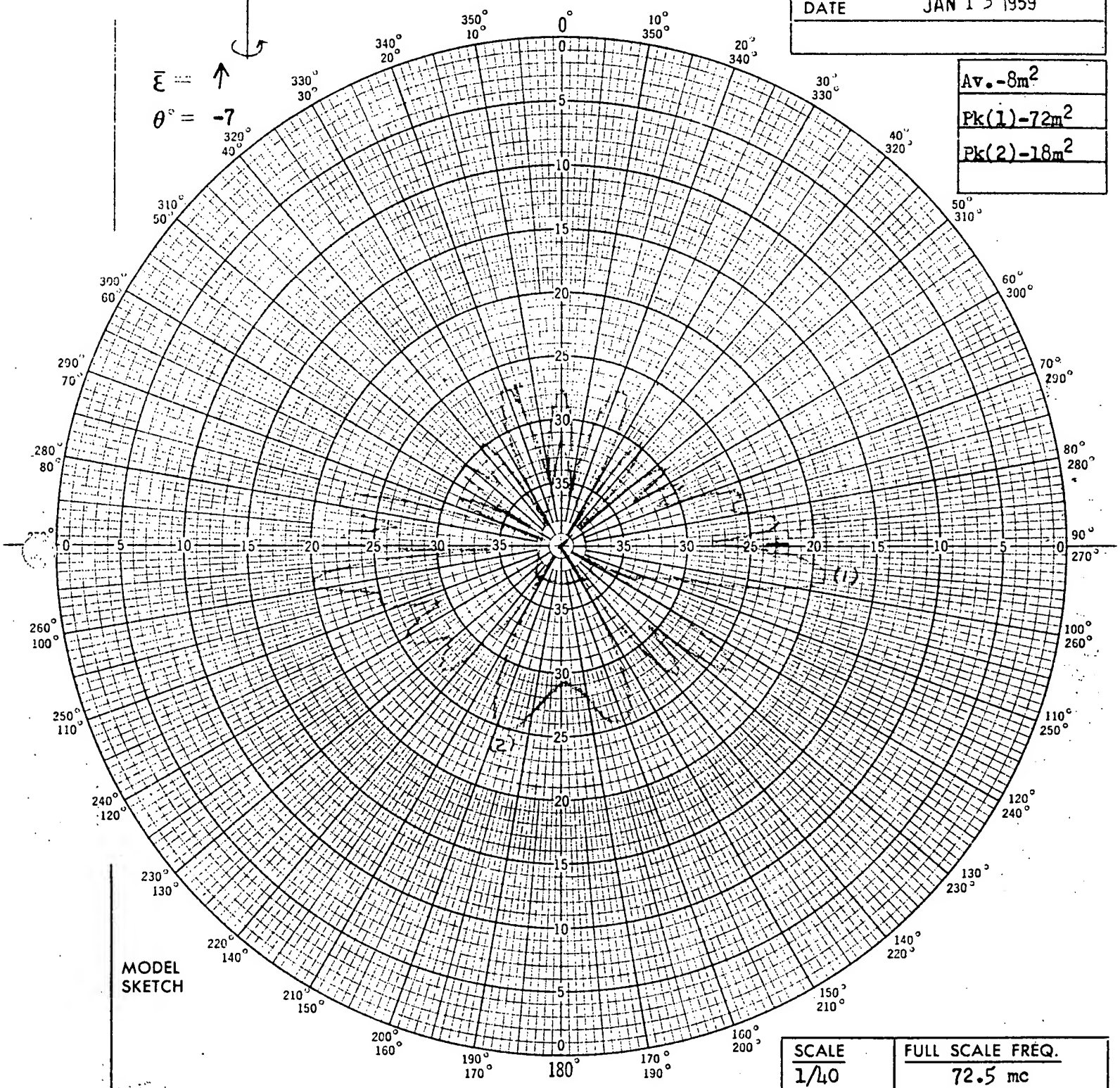
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	248-4
TEST FREQ.	2.9 KMC
$\bar{E} \perp$	TO AXIS OF ROTATION TO PLANE OF SAMPLE
RANGE	228n
DATE	JAN 1 3 1959

Av.-8m^2
Pk(1)-72m^2
Pk(2)-18m^2

$\bar{E}$ = ↑

θ° = -7



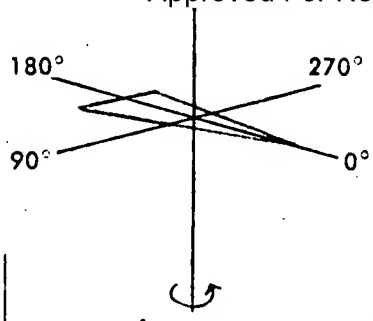
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: Arrow I

DETAILS: 2/5° Stabs (Rebuilt-2)

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 0
MISC.:	

MODEL NO.	248-4
TEST FREQ.	5.9 KMC
$\bar{\mathcal{E}} \perp$ ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	228'
DATE	JAN 1 4 19[illegible]

$\bar{\mathcal{E}} =$ ↑

$\theta° = -7$

Av.-8m^2
Pk(1)-57m^2
Pk(2)-90m^2

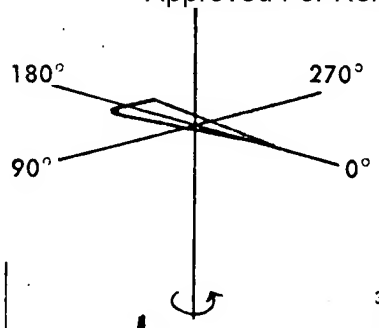
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	147 mc

BASIC MODEL: Arrow I

DETAILS: w/5° Stabs (Rebuilt-2)

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 5
MISC.:	

MODEL NO.	248-4
TEST FREQ.	9 KMC
$\bar{\varepsilon}$ 1	~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE
RANGE	228'
DATE	JAN 1 4 19[illegible]

$\bar{\varepsilon} =$ ↑

$\theta° =$ -7

Av.-12.5m^2
Pk(1)-108m^2
Pk(2)-120m^2

MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

BASIC MODEL: Arrow I

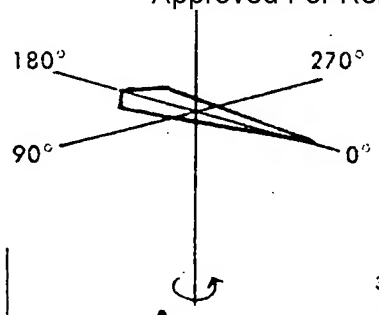
DETAILS: w/5° Stabs (Rebuilt-2)

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA

EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

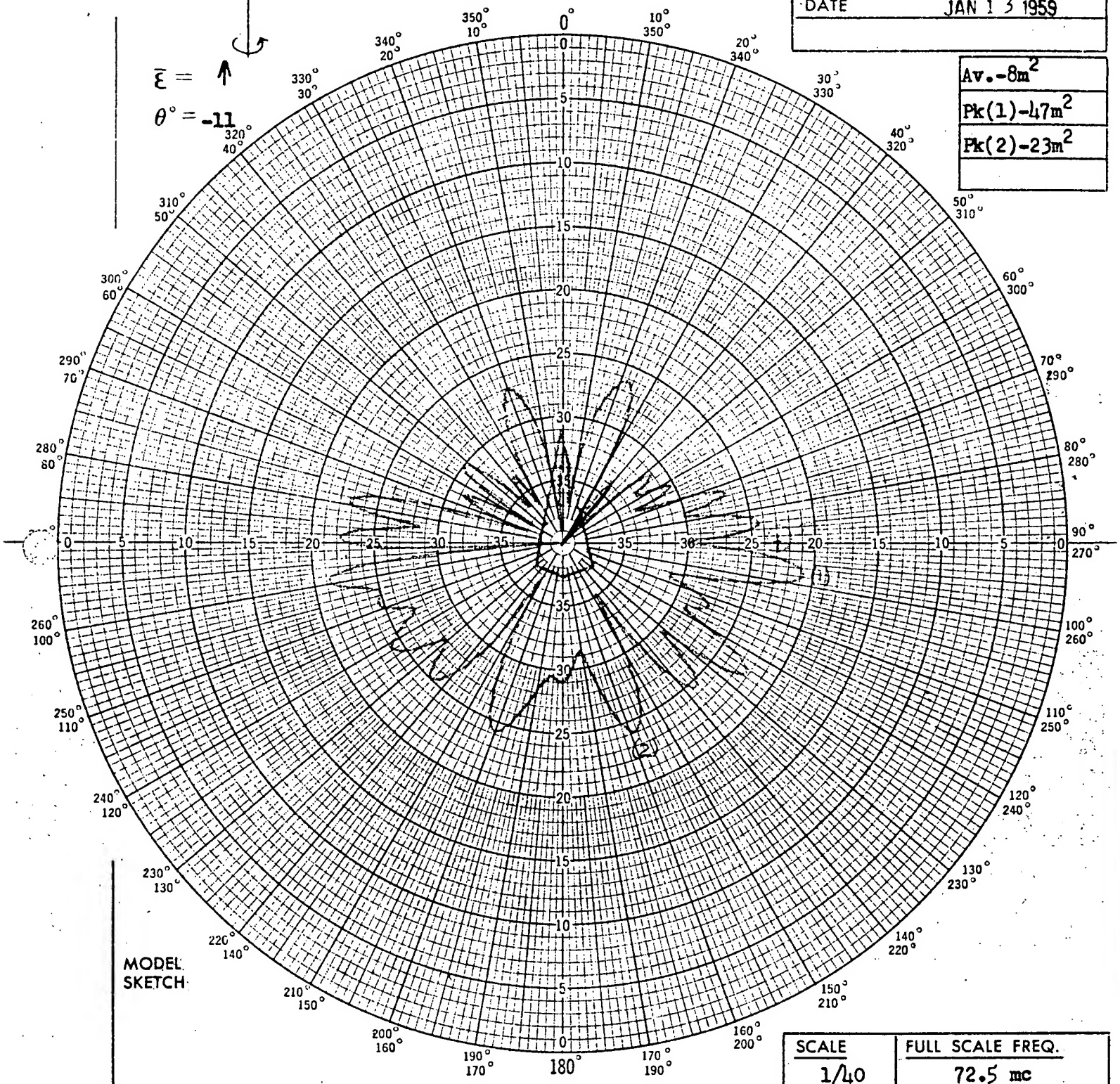
MODEL NO.	248-4
TEST FREQ.	2.9 KMC
$\bar{\mathcal{E}}$ ⊥	TO AXIS OF ROTATION TO PLANE OF SAMPLE
RANGE	228'
DATE	JAN 1 3 1959

Av.-8m^2
Pk(1)-47m^2
Pk(2)-23m^2



$\bar{\mathcal{E}}$ =

θ° = -11



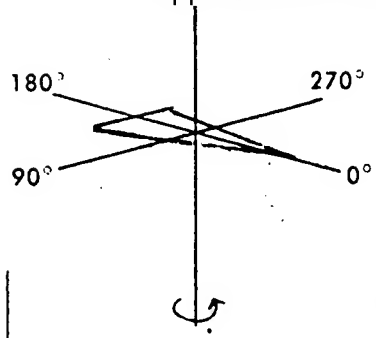
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: Arrow I

DETAILS: w/50 Stabs (Rebuilt-2)

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



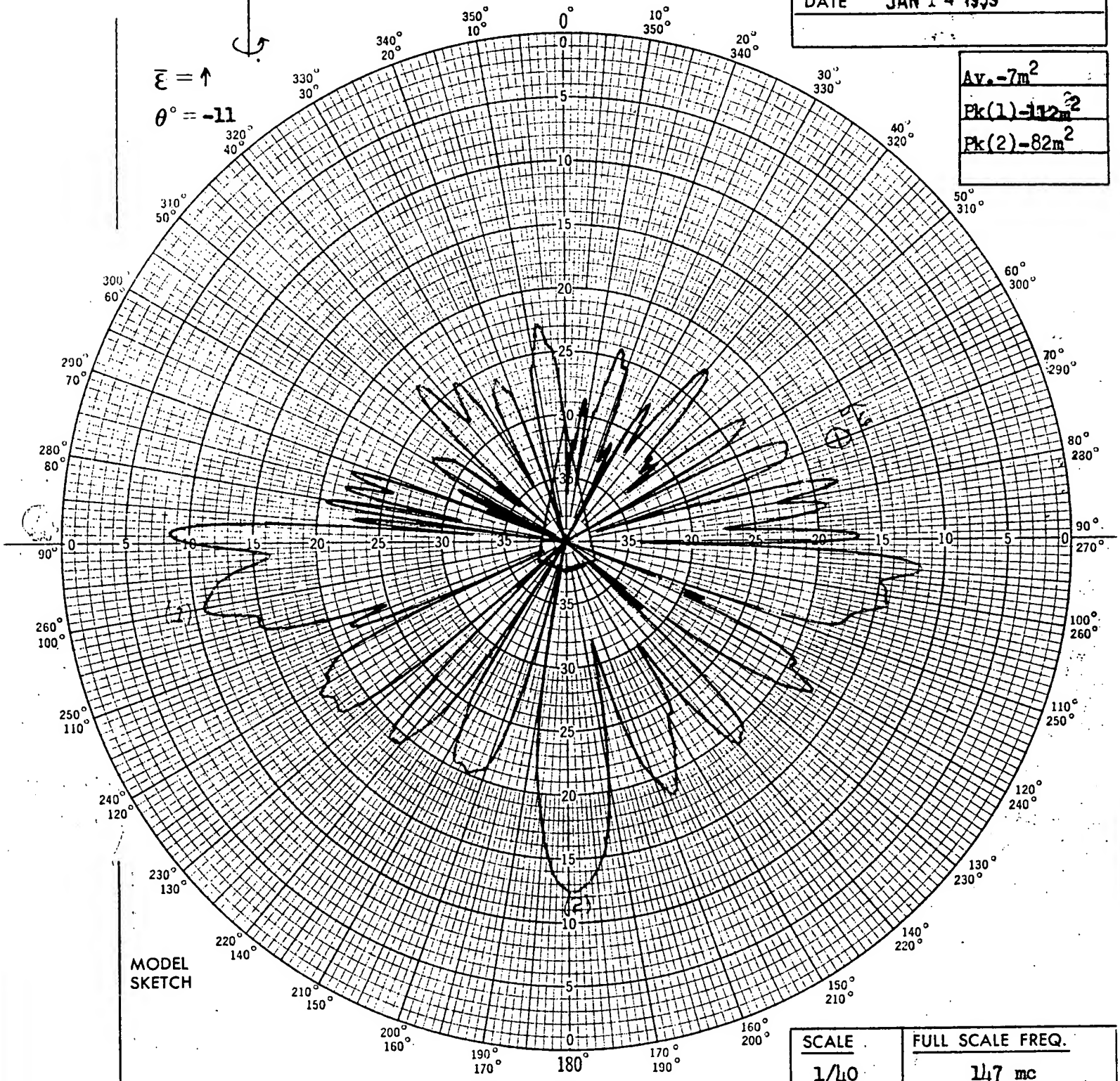
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 0
MISC.:	

MODEL NO.	248-4
TEST FREQ.	5.9 KMC
$\bar{\mathcal{E}} \perp$	~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE
RANGE	228m
DATE	JAN 1 4 1959

Av.-7m^2
Pk(1)-112m^2
Pk(2)-82m^2

$\bar{\mathcal{E}} = \uparrow$

$\theta° = -11$

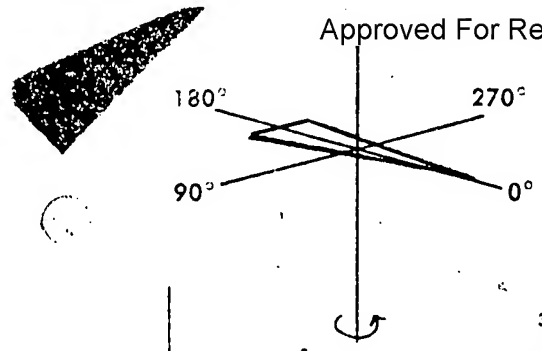


MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	147 mc

BASIC MODEL:	Arrow I
DETAILS:	w/5° Stabs (Rebuilt-2)

Polar Chart No. 1270
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 5
MISC.:	

MODEL NO.	248-4
TEST FREQ.	9 KMC
$\bar{E} \perp$ ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	228'
DATE	JAN 1 4 1959

$\bar{E} = \uparrow$

$\theta° = -11$

Av.-8m^2
Pk(1)-50m^2
Pk(2)-110m^2

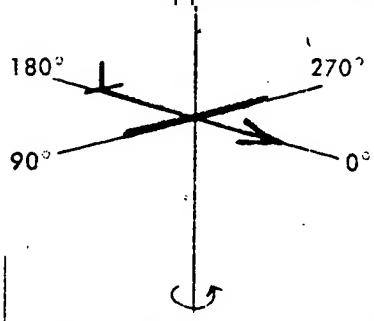
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

BASIC MODEL: Arrow I

DETAILS: w/5° Stabs (Rebuilt-2)

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



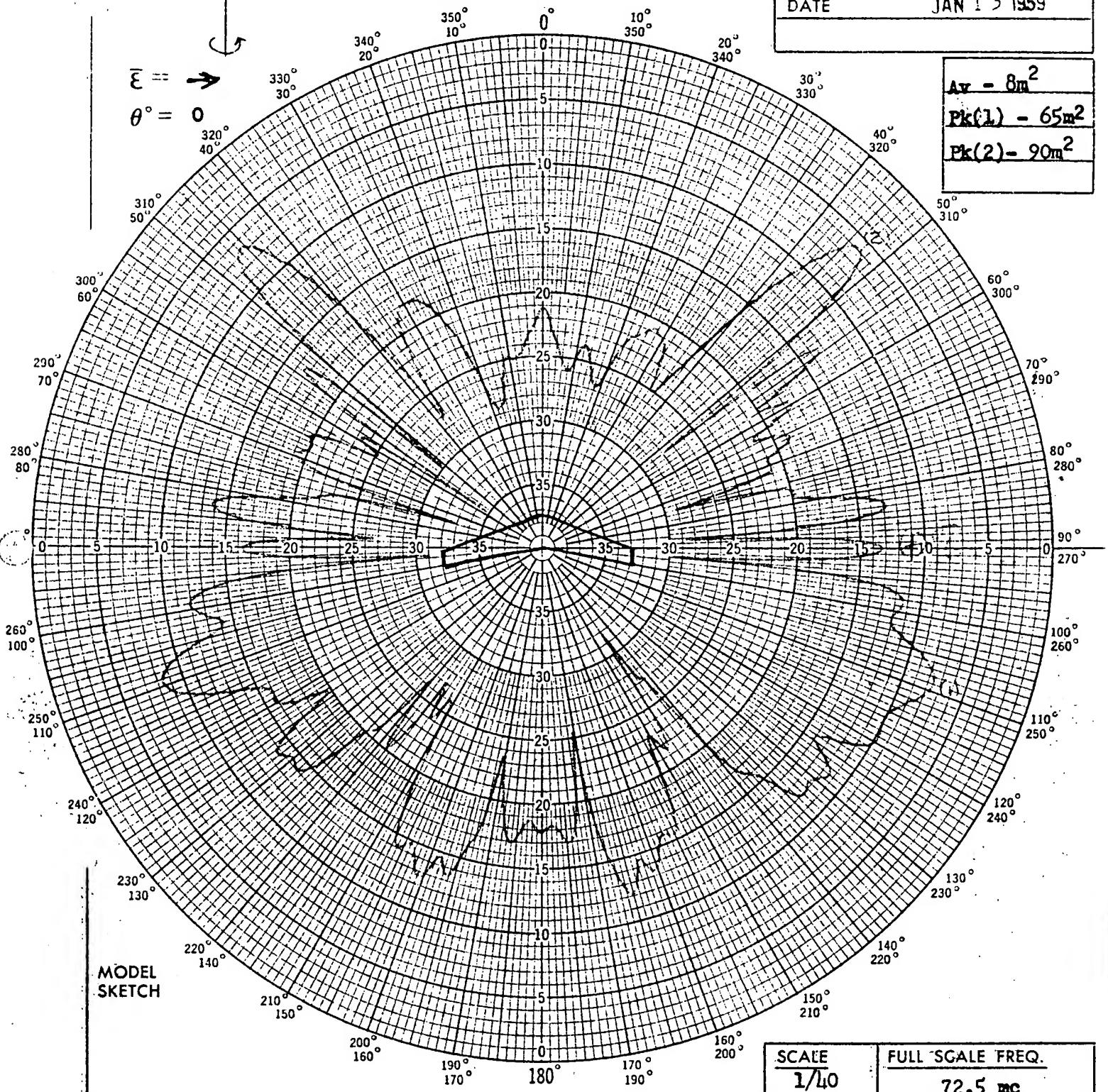
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -20
MISC.:	

MODEL NO.	253
TEST FREQ.	2.9 KMC
$\bar{\mathcal{E}}$ // TO AXIS OF ROTATION TO PLANE OF SAMPLE	
RANGE	62"
DATE	JAN 1 3 1959

$\bar{\mathcal{E}}$ = →

$\theta° = 0$

Av - $8m^2$
Pk(1) - $65m^2$
Pk(2) - $90m^2$



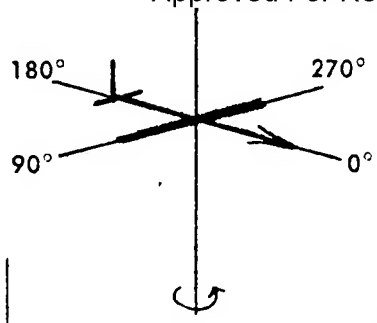
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: G2S-57S

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	253
TEST FREQ.	5.9 KMC
$\bar{\varepsilon}$ // ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	62'
DATE	JAN 1 3 1959

$\bar{\varepsilon} =$ →

$\theta° = 0$

Av.-3.5m^2
Pk(1)-25m^2
Pk(2)-25m^2

MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	147 mc

BASIC MODEL: G2S-57S

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA

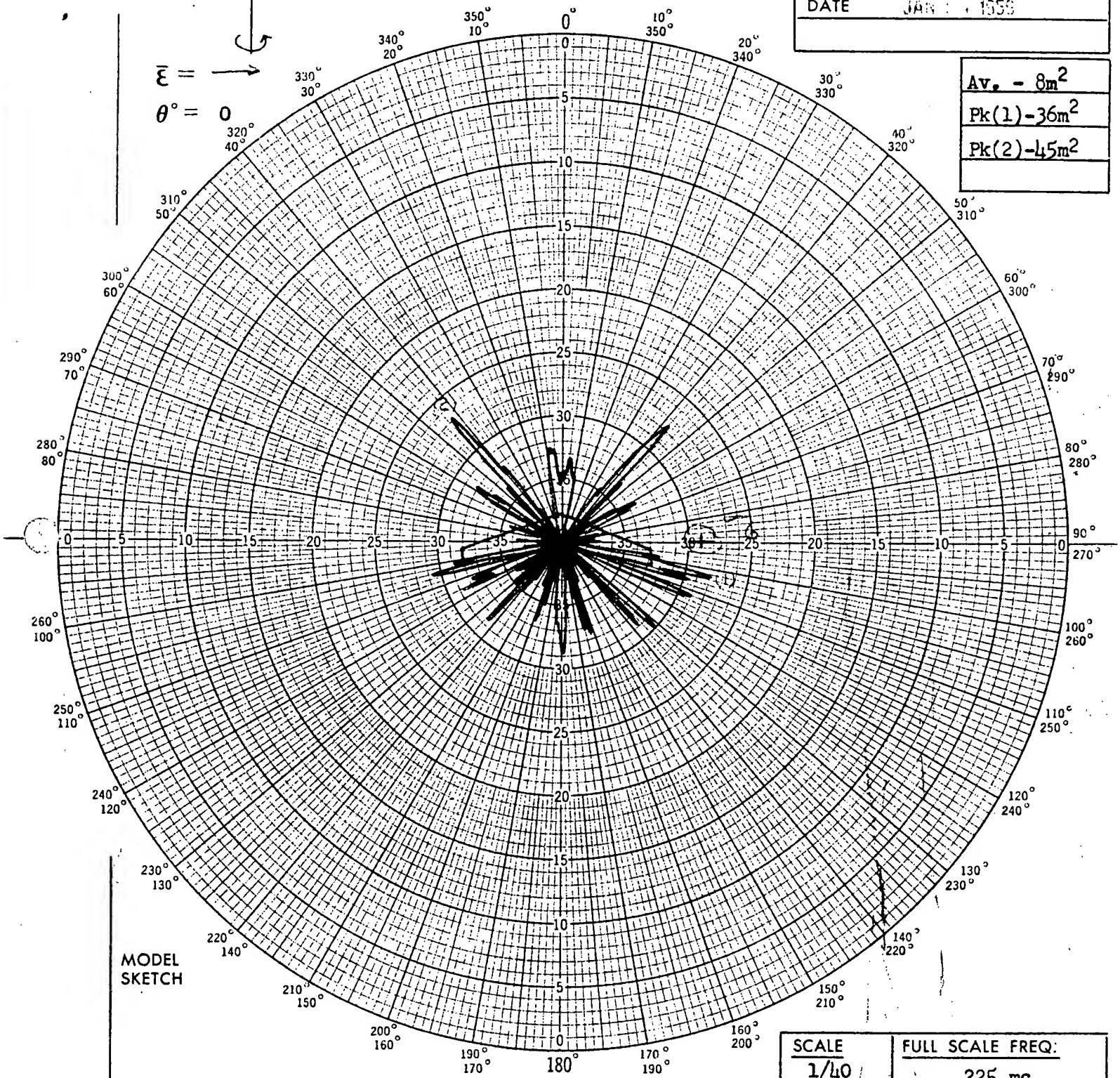
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 15
MISC.: -10 Amp Atten	

MODEL NO.	253
TEST FREQ.	9 KMC
$\bar{\mathcal{E}}$	TO AXIS OF ROTATION / TO PLANE OF SAMPLE
RANGE	62"
DATE	JAN [illegible] 1959

$\bar{\mathcal{E}} =$ →

$\theta^\circ = 0$

Av. - 8m^2
Pk(1)-36m^2
Pk(2)-45m^2



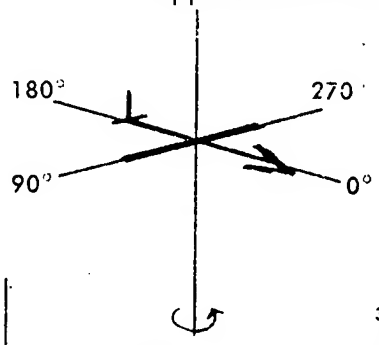
MODEL SKETCH

SCALE	FULL SCALE FREQ:
1/40	225 mc

BASIC MODEL: 02S-57S

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -20
MISC.:	

MODEL NO.	253
TEST FREQ.	2.9 KMC
$\bar{E} \perp$	TO AXIS OF ROTATION TO PLANE OF SAMPLE
RANGE	62"
DATE	JAN 13 1959

$\bar{E}$ = ↑

θ° = 0

Av.-3.6m^2
Pk(1)-50m^2
Pk(2)-9m^2

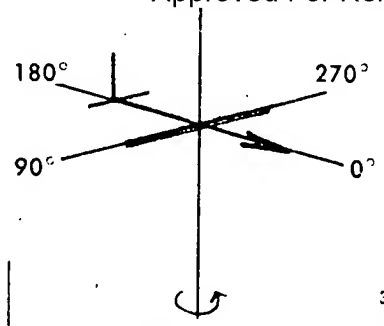
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: G2S-57S

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	253
TEST FREQ.	5.9 KMC
$\bar{\mathcal{E}}$ ⊥ TO AXIS OF ROTATION / TO PLANE OF SAMPLE	
RANGE	62"
DATE	JAN 13 1959

Av.-3.5m²
Pk(1)-45m²
Pk(2)-10m²

$\bar{\mathcal{E}}$ = ↑

$\theta° = 0$

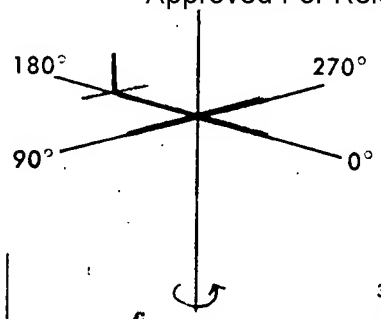
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	11.7 mc

BASIC MODEL: G2S-57S

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



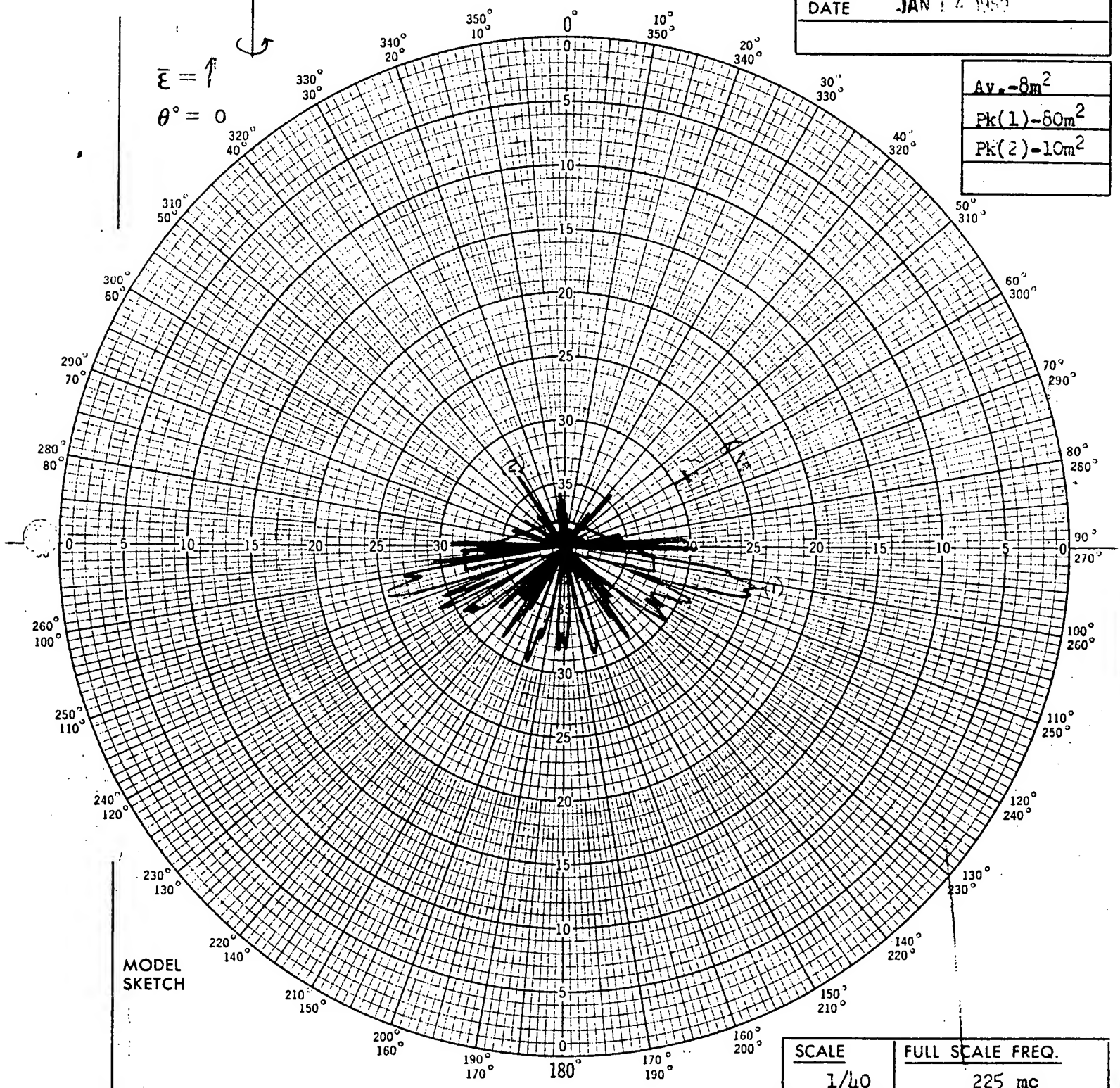
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 15
MISC.: 10 db Amp Atten	

MODEL NO.	253
TEST FREQ.	9 KMC
$\bar{\varepsilon} \perp$	TO AXIS OF ROTATION TO PLANE OF SAMPLE
RANGE	62"
DATE	JAN 1 4 1959

$\bar{\varepsilon} = \uparrow$

$\theta° = 0$

Av.-8m^2
Pk(1)-80m^2
Pk(2)-10m^2



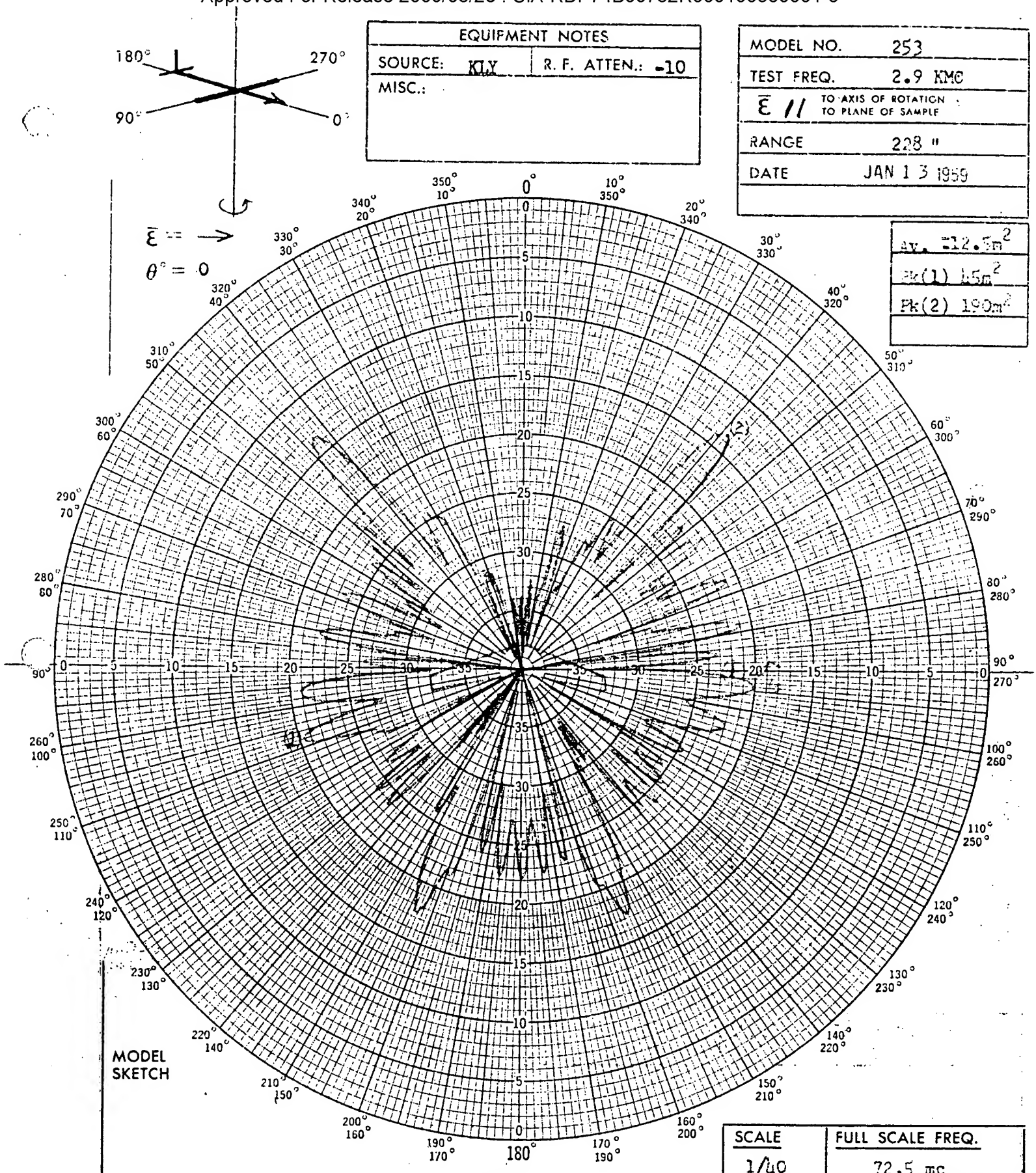
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

BASIC MODEL: G2S-57S

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	253
TEST FREQ.	2.9 KMC
$\bar{E}$ //	TO AXIS OF ROTATION TO PLANE OF SAMPLE
RANGE	228 "
DATE	JAN 1 3 1959

Av. 12.5m^2	
Pk(1) 45m^2	
Pk(2) 190m^2	

MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

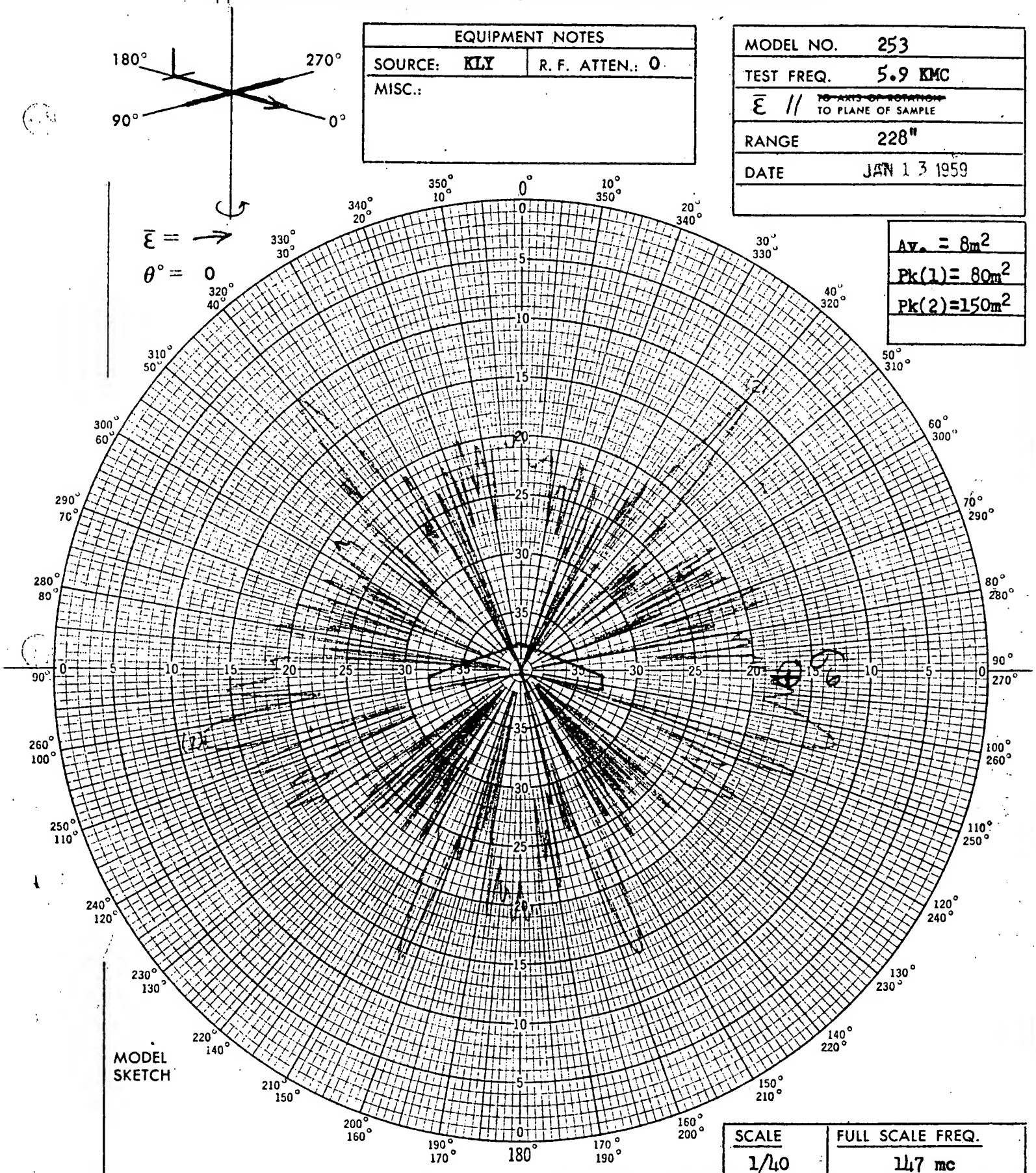
BASIC MODEL:

328-573

DETAILS:

SILVER SPRAYED WOOD

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 0
MISC.:	

MODEL NO.	253
TEST FREQ.	5.9 KMC
$\bar{\mathcal{E}}$ // ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	228"
DATE	JAN 1 3 1959

Av. = 8m²
Pk(1) = 80m²
Pk(2) = 150m²

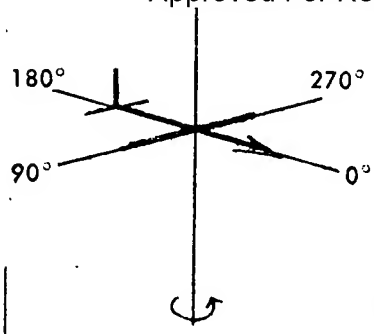
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	147 mc

BASIC MODEL: G2S-57S

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 5
MISC.:	

MODEL NO.	253
TEST FREQ.	9 KMC
$\bar{E}$ || ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	228"
DATE	JAN 14 1959

$\bar{E} = \rightarrow$

$\theta° = 0$

Av.	= 12.5m²
Pk(1)	=190m²
Pk(2)	=190m²

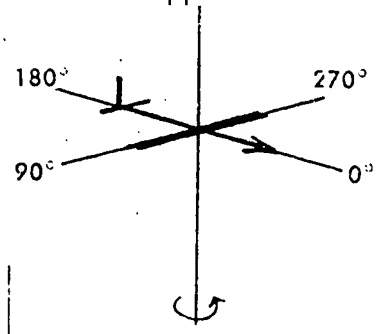
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

BASIC MODEL: 02S-57S

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



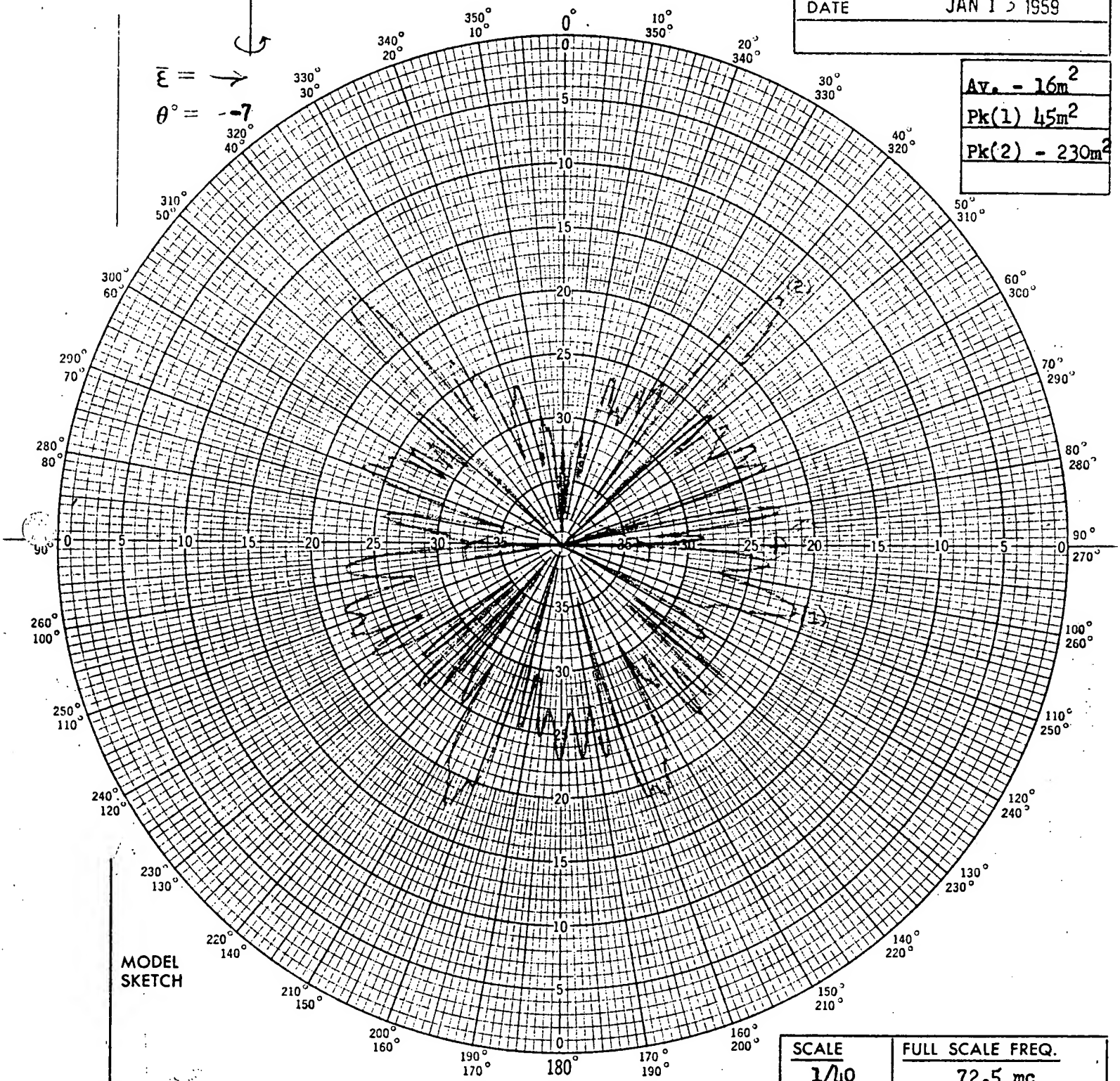
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	253
TEST FREQ.	2.9 KMC
$\bar{E}$ //	TO AXIS OF ROTATION TO PLANE OF SAMPLE
RANGE	228"
DATE	JAN 13 1959

$\bar{E} = \rightarrow$

$\theta° = -7$

Av. - 16m^2
Pk(1) 45m^2
Pk(2) - 230m^2



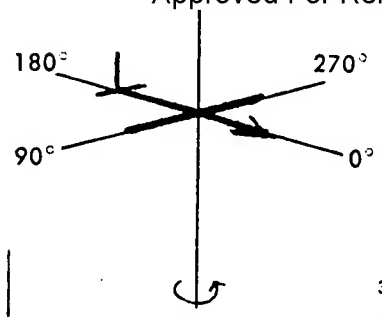
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: G2S-57S

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



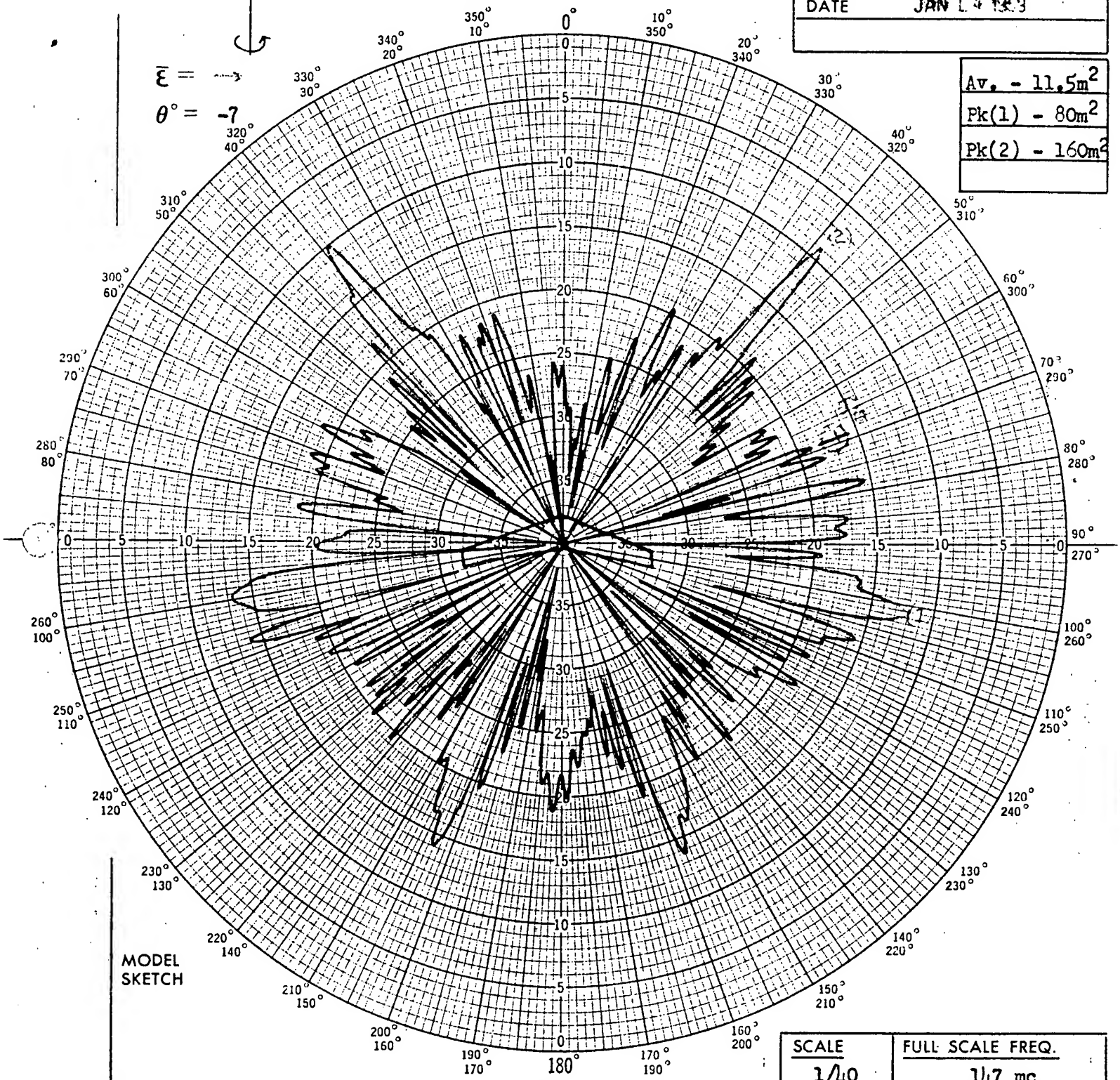
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 0
MISC.:	

MODEL NO.	253
TEST FREQ.	5.9 KMC
$\bar{\varepsilon}$ || AXIS OF ROTATION TO PLANE OF SAMPLE	
RANGE	228"
DATE	JAN 1 4 1963

$\bar{\varepsilon}$ = →

$\theta°$ = -7

Av. - 11.5m^2	
Pk(1) - 80m^2	
Pk(2) - 160m^2	



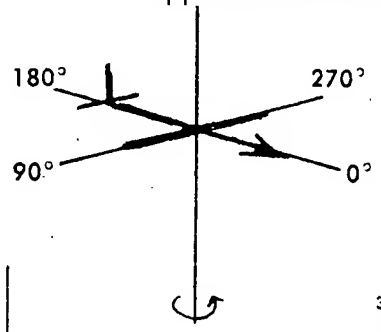
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	147 mc

BASIC MODEL: G2S-57S

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



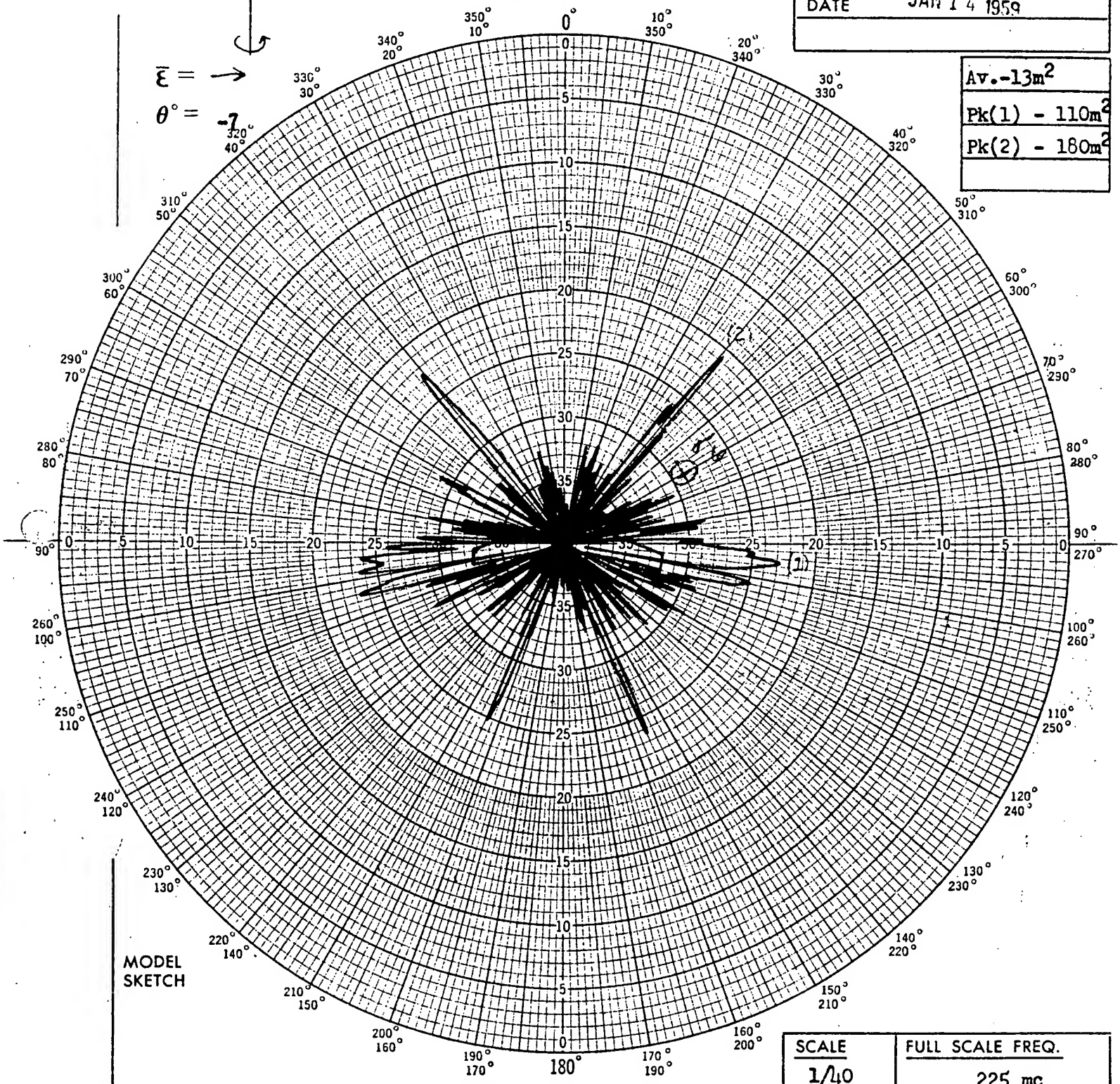
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 5
MISC.:	

MODEL NO.	253
TEST FREQ.	9 KMC
$\bar{\varepsilon}$ || ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	228"
DATE	JAN 14 1959

$\bar{\varepsilon}$ = →

$\theta°$ = -7

Av.-13m^2
Pk(1) - 110m^2
Pk(2) - 180m^2



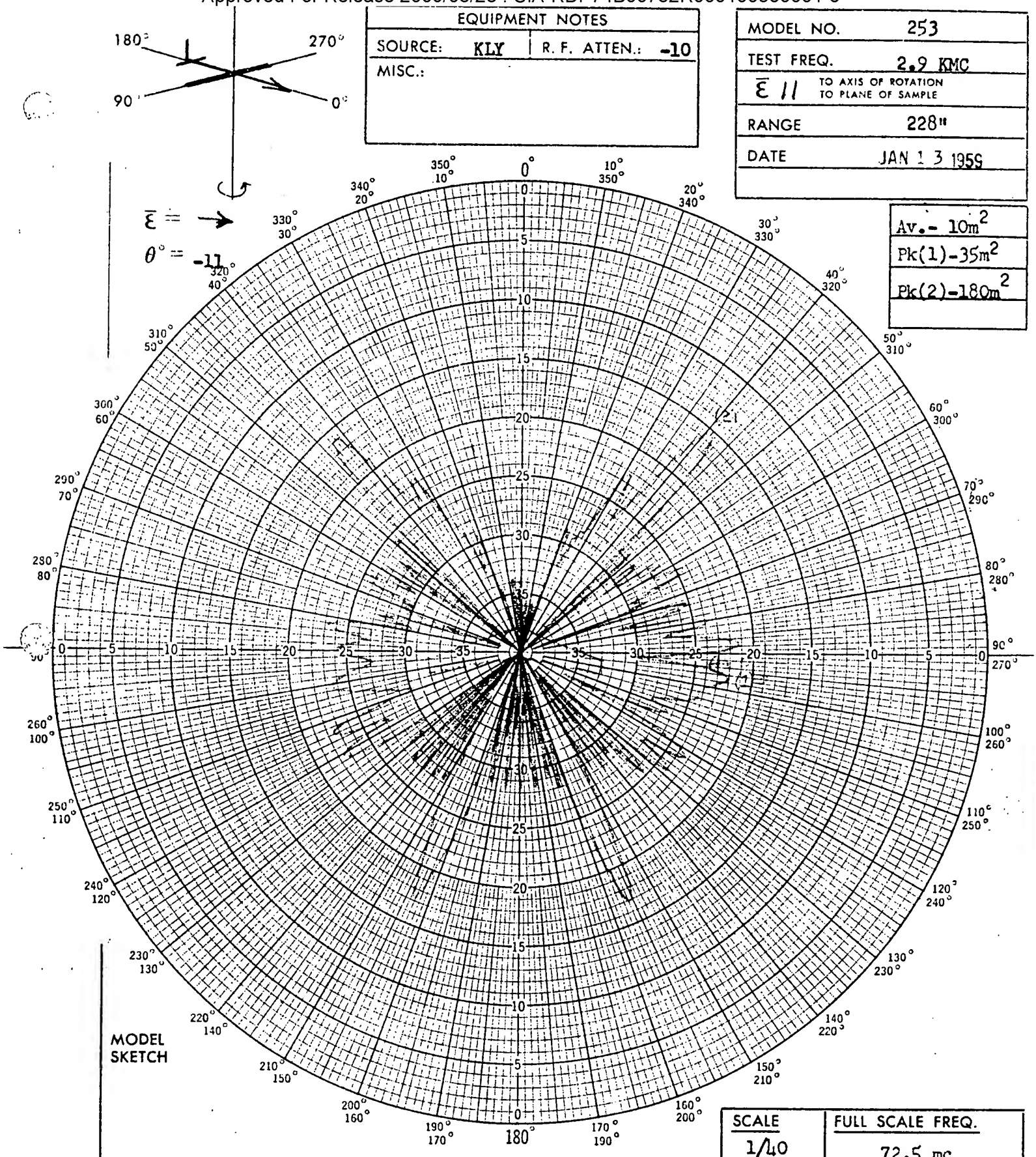
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

BASIC MODEL: G2S-57S

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	253
TEST FREQ.	2.9 KMC
$\bar{E}$ //	TO AXIS OF ROTATION TO PLANE OF SAMPLE
RANGE	228"
DATE	JAN 13 1958

Av.- 10m^2
Pk(1)-35m^2
Pk(2)-180m^2

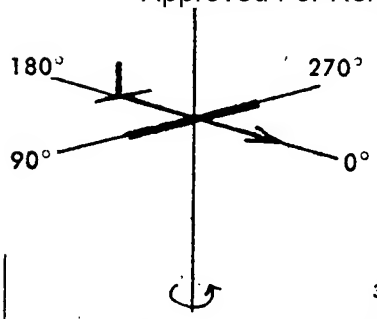
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: G2S-57 S

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



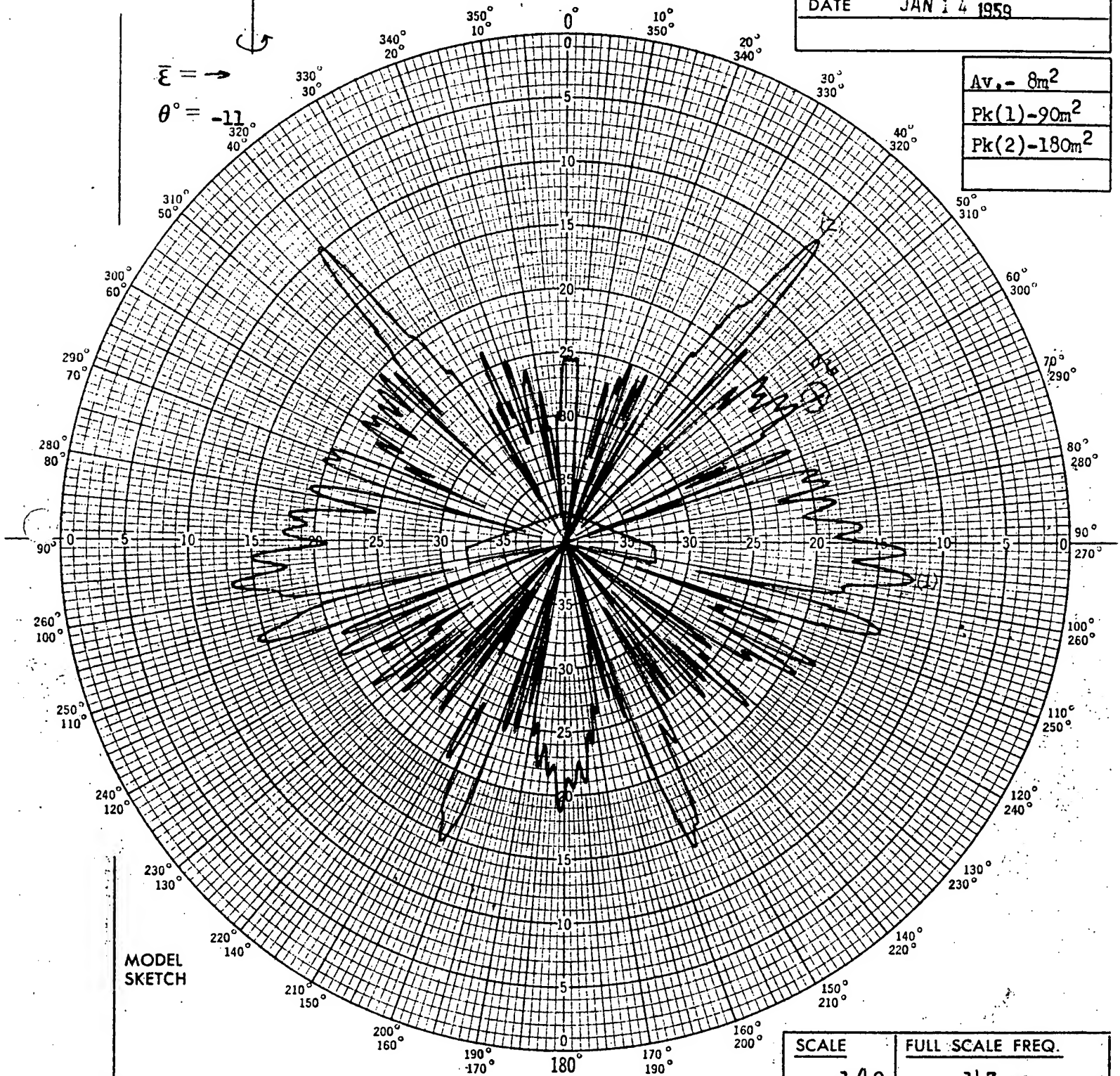
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 0
MISC.:	

MODEL NO.	253
TEST FREQ.	5.9 KMC
$\bar{E}$ || ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	228m
DATE	JAN 14 1959

$\bar{E} = \rightarrow$

$\theta° = -11°$

Av. - 8m²
Pk(1) - 90m²
Pk(2) - 180m²



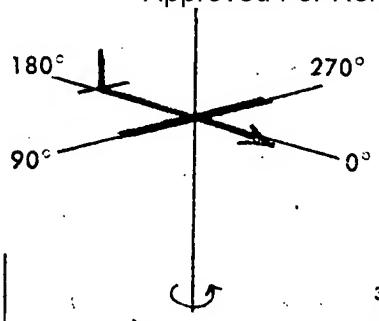
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	147 mc

BASIC MODEL: G2S-57S

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



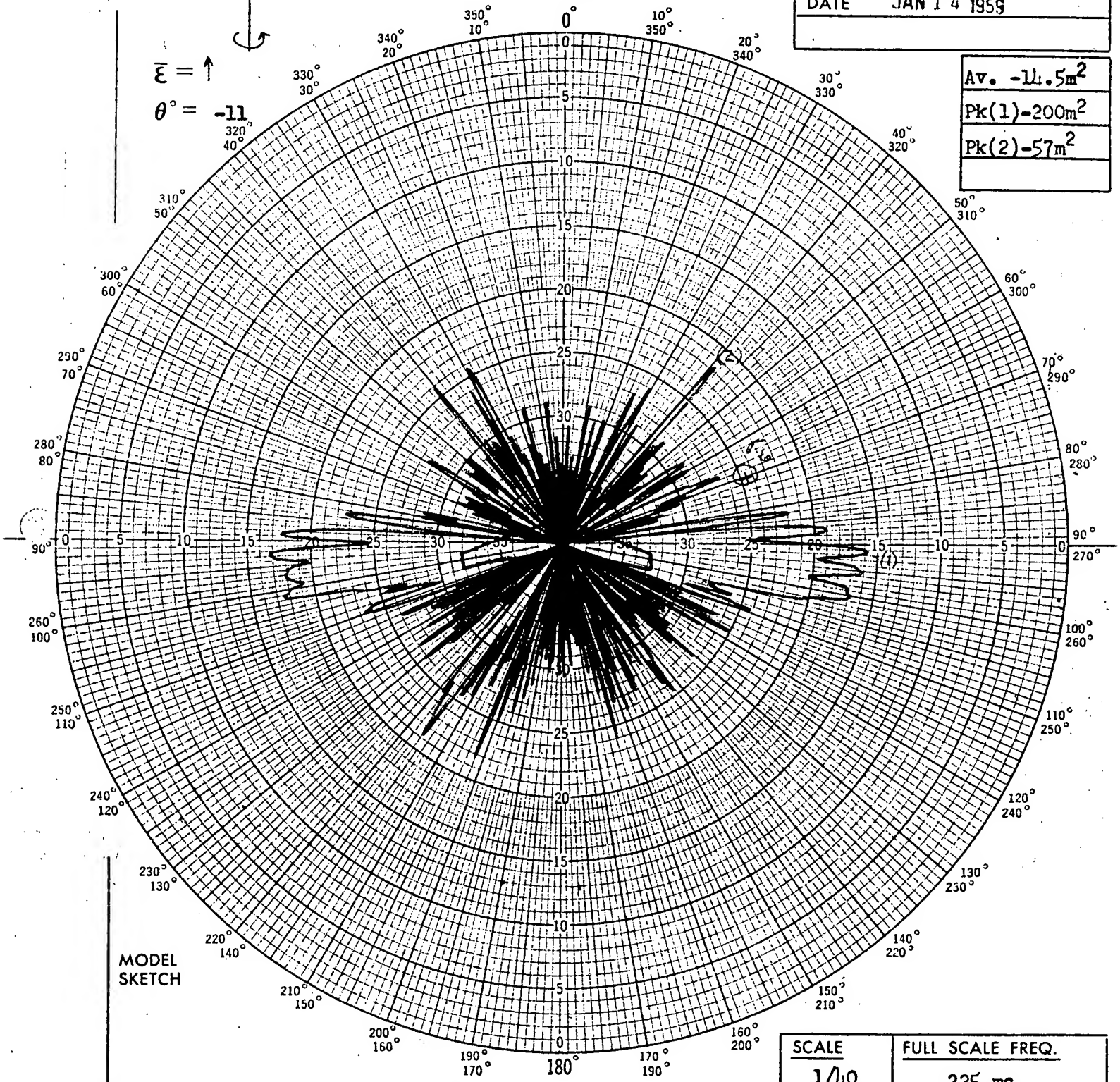
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 5
MISC.:	

MODEL NO.	253
TEST FREQ.	9 KMC
$\bar{E}$ ⊥	~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE
RANGE	228'
DATE	JAN 14 1958

Av. -14.5m²
Pk(1)-200m²
Pk(2)-57m²

$\bar{\varepsilon} = \uparrow$

$\theta° = -11$



MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

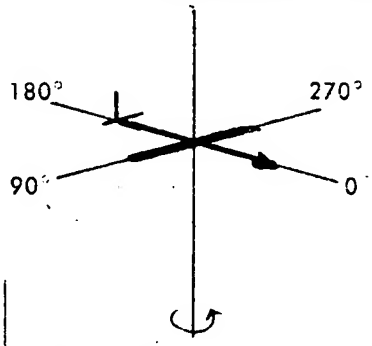
BASIC MODEL:

~~C2S-57S~~

DETAILS:

Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



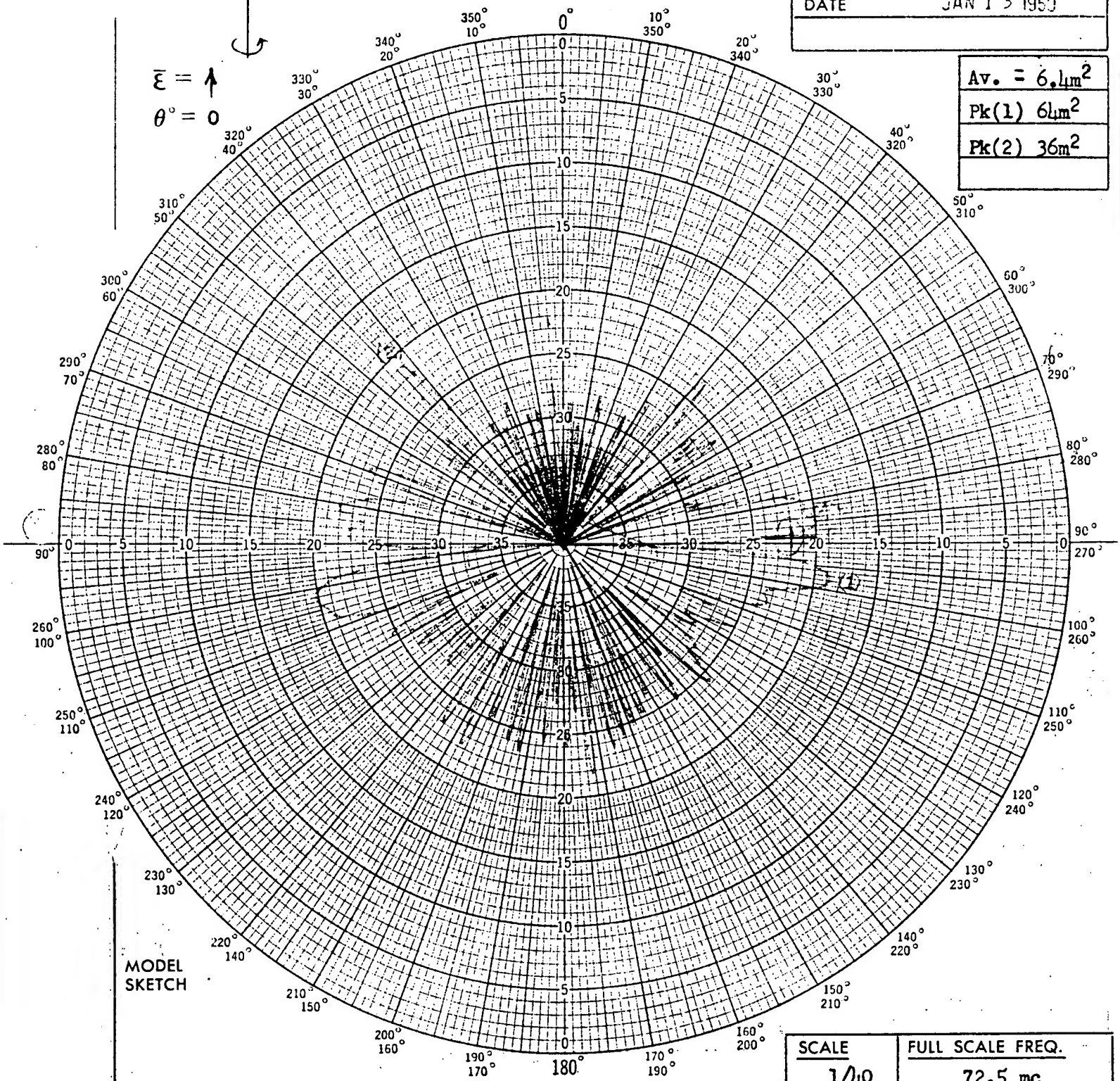
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	253
TEST FREQ.	2.9 KMC
$\bar{E} \perp$	TO AXIS OF ROTATION / TO PLANE OF SAMPLE
RANGE	228'
DATE	JAN 1 3 1950

$\bar{E} =$ ↑

$\theta° = 0$

Av. = 6.4m²
Pk(1) 64m²
Pk(2) 36m²



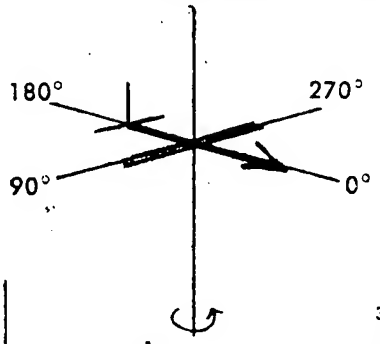
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: G2S-57S

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 0
MISC.:	

MODEL NO.	253
TEST FREQ.	5.9 KMC
$\bar{E}$ ⊥ TO PLANE OF SAMPLE	
RANGE	228"
DATE	JAN 13 1959

$\bar{E}$ = ↑

θ° = 0

Av. = 8m²
Pk(1) 90m²
Pk(2) 23m²

MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	147 mc

BASIC MODEL: G2S-57S

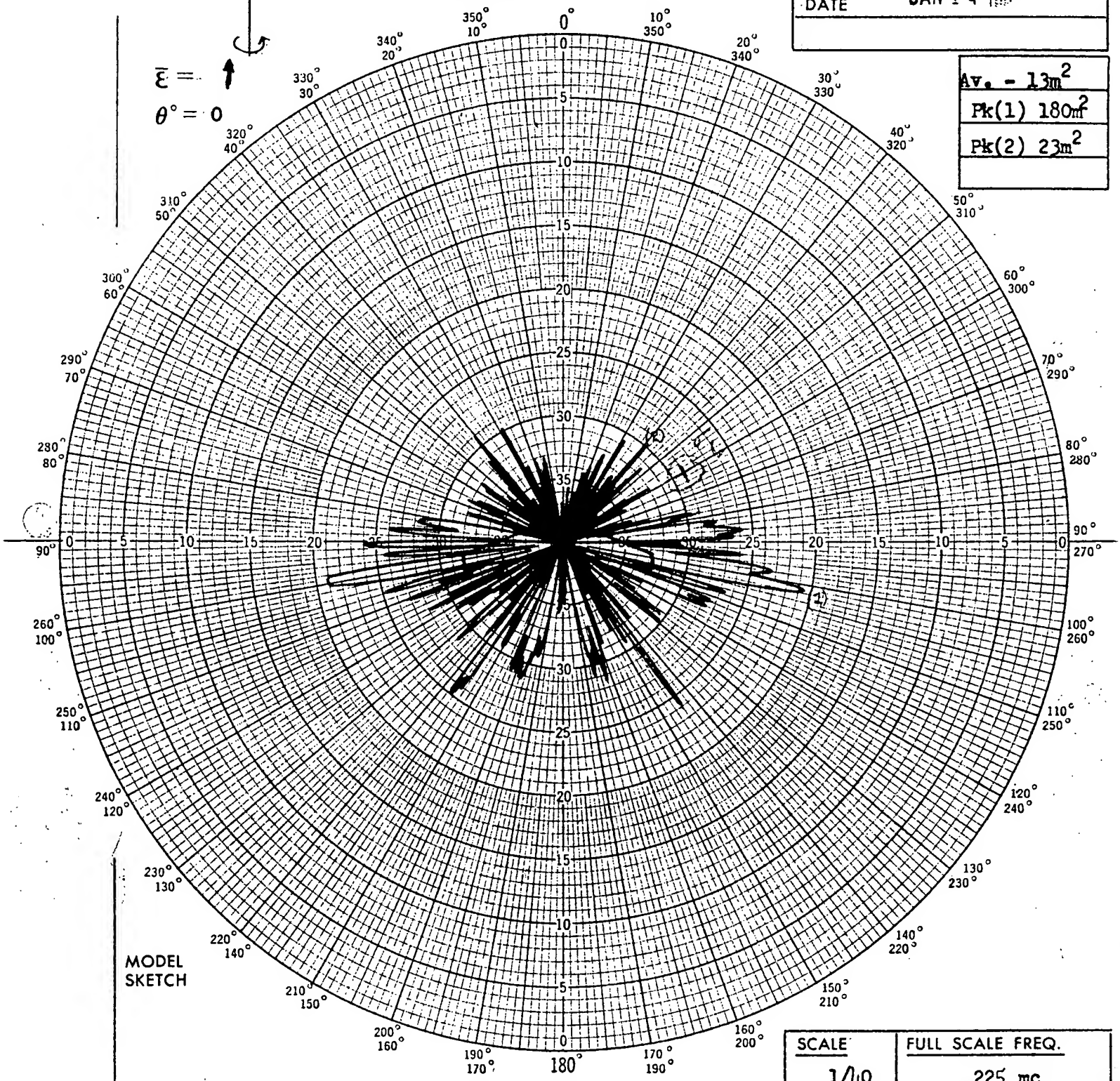
DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA

EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 5
MISC.:	

MODEL NO.	253
TEST FREQ.	9 KMC
$\bar{\varepsilon}$ ⊥	~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE
RANGE	228"
DATE	JAN 14 196[illegible]

Av. - 13m^2
Pk(1) 180m^2
Pk(2) 23m^2



MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

BASIC MODEL: G2S-57S

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA

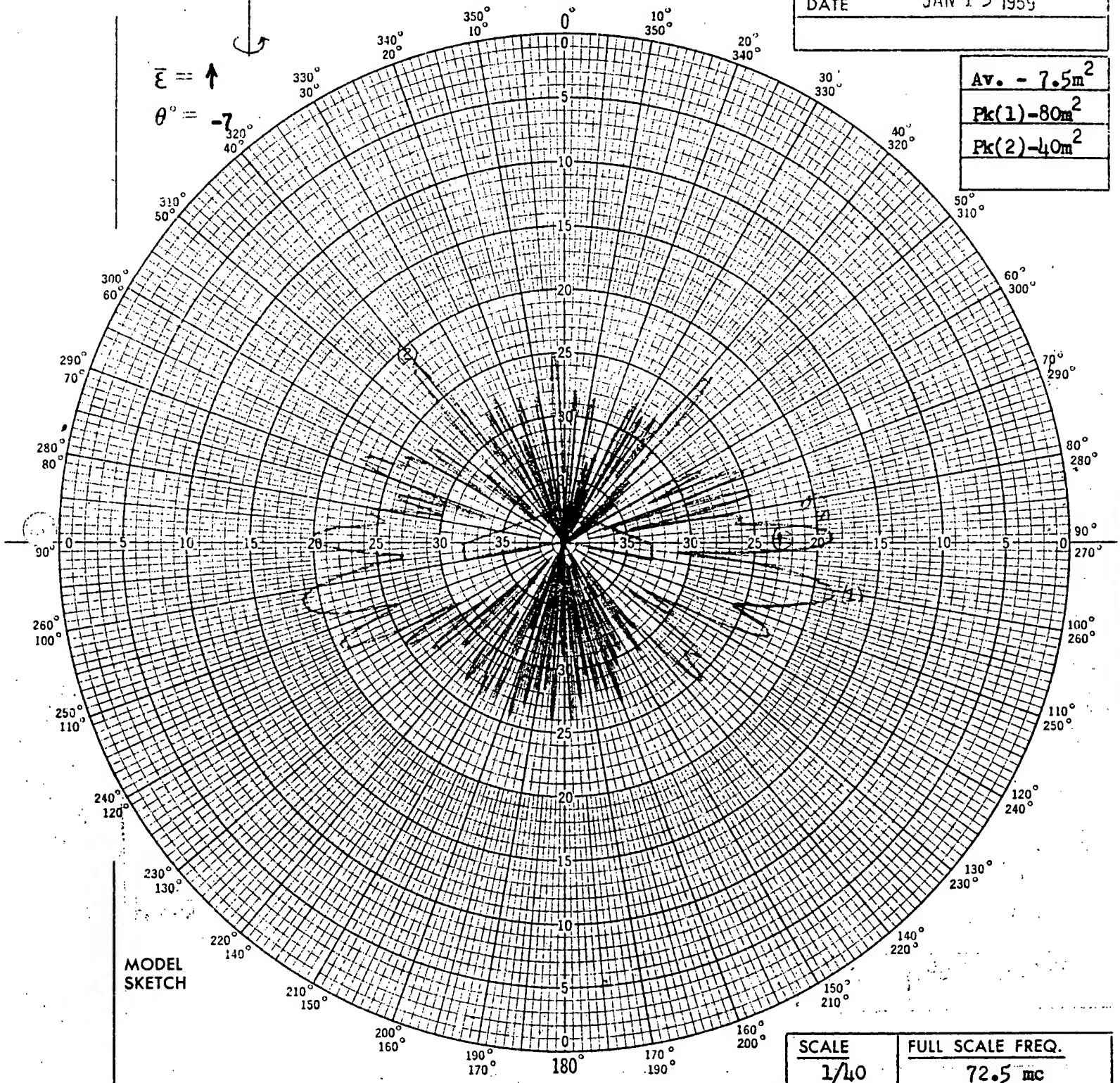
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	253
TEST FREQ.	2.9 KMC
$\bar{\mathcal{E}} \perp$	TO AXIS OF ROTATION TO PLANE OF SAMPLE
RANGE	228'
DATE	JAN 13 1959

$\bar{\mathcal{E}} =$ ↑

$\theta° = -7$

Av. - 7.5m^2
Pk(1)-80m^2
Pk(2)-40m^2



MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: G2S-57S

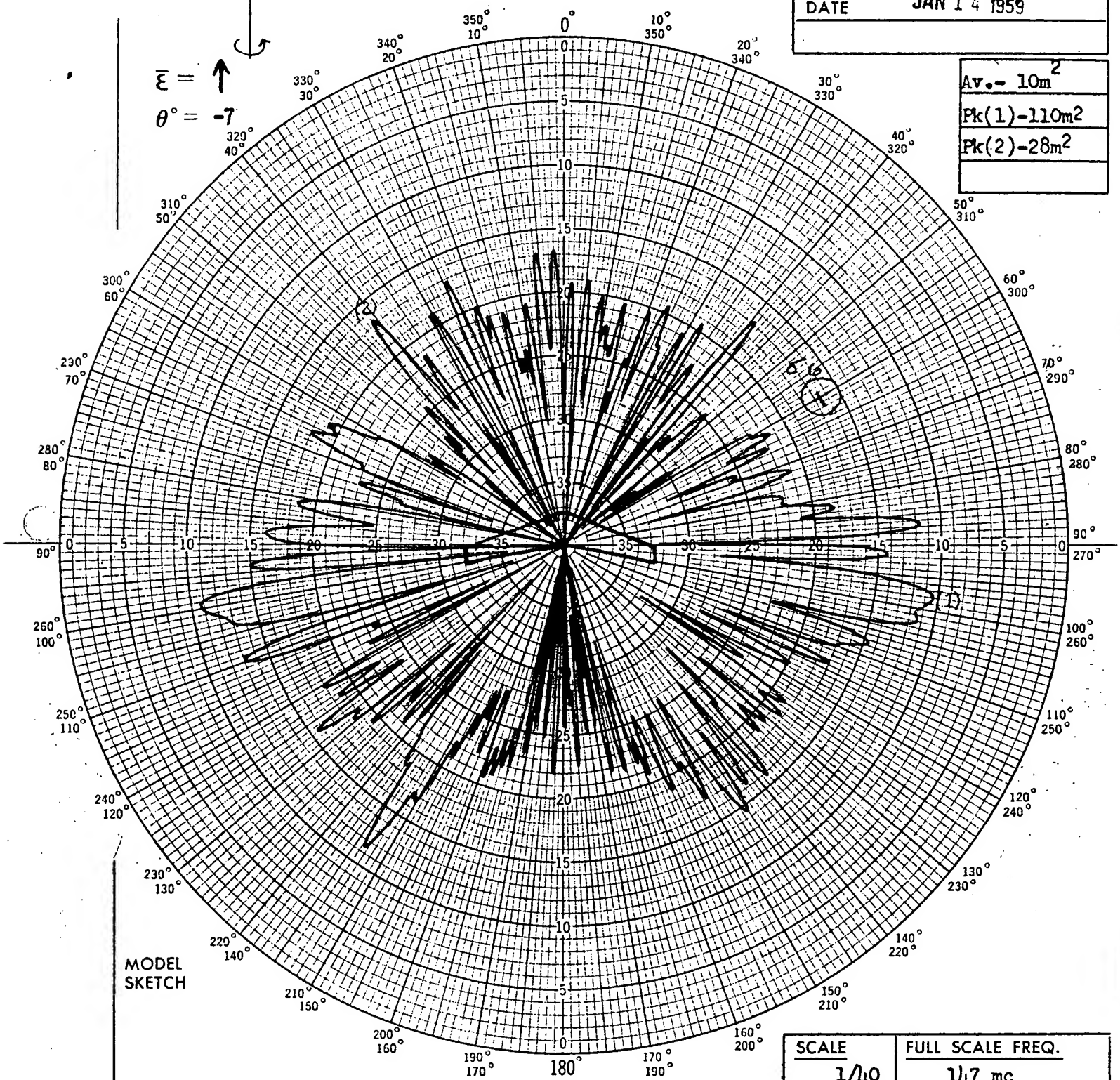
DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA

EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 0
MISC.:	

MODEL NO.	253
TEST FREQ.	5.9 KMC
$\bar{E} \perp$	~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE
RANGE	228'
DATE	JAN 14 1959

Av.- 10m^2
Pk(1)-110m^2
Pk(2)-28m^2



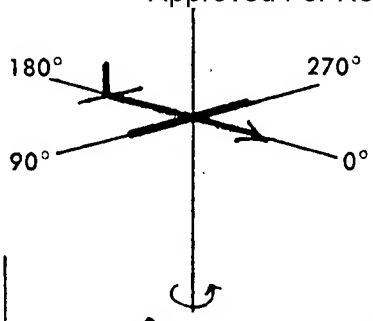
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	147 mc

BASIC MODEL: G2S-57S

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 5
MISC.:	

MODEL NO.	253
TEST FREQ.	9 KMC
$\bar{\varepsilon}$	~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE
RANGE	228"
DATE	JAN 14 1955

$\bar{\varepsilon} = \uparrow$

$\theta° = -7$

Av.- 13m^2
Pk(1)-160m^2
Pk(2)-35m^2

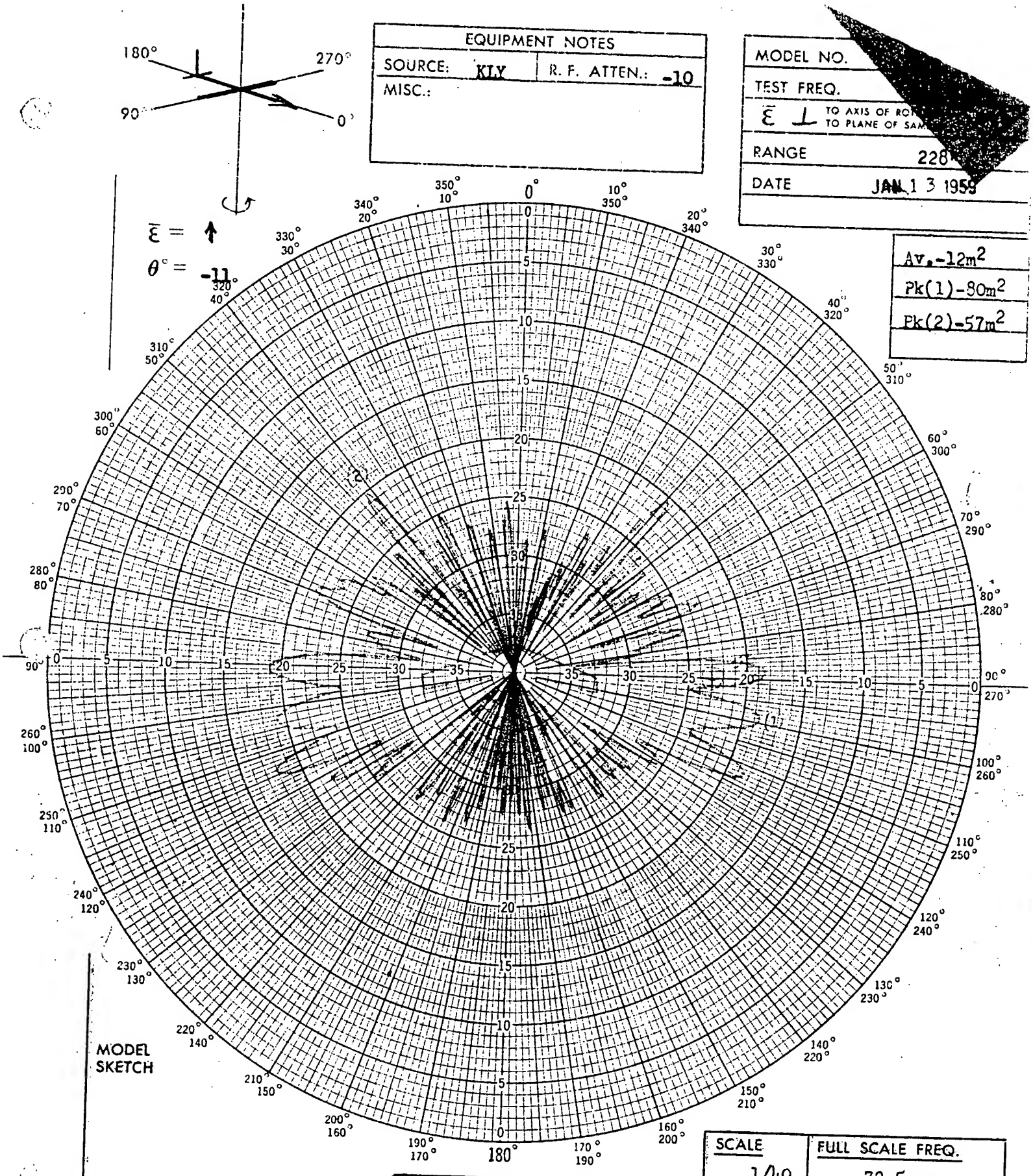
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

BASIC MODEL: G2S-57S

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	
TEST FREQ.	
$\bar{\varepsilon}$ ⊥ TO AXIS OF RO… TO PLANE OF SAM…	
RANGE	228…
DATE	JAN 1 3 1959

Av. -12m²
Pk(1) -80m²
Pk(2) -57m²

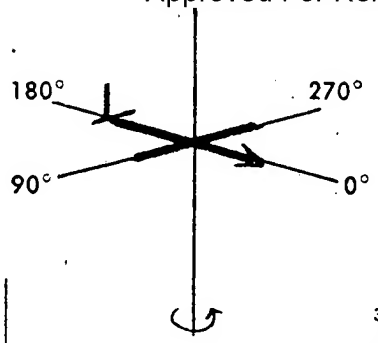
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: G2S-57S

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



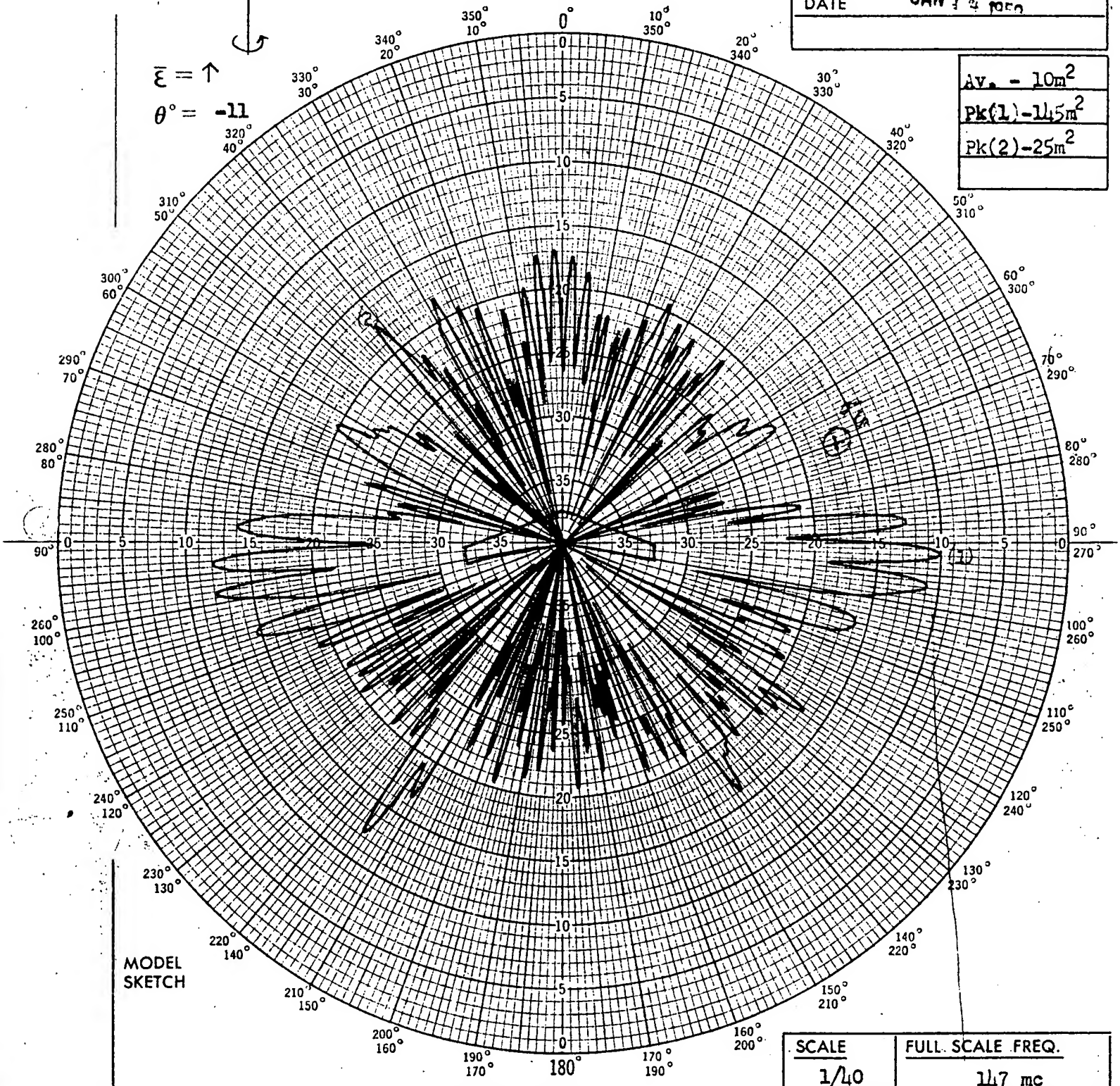
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 0
MISC.:	

MODEL NO.	253
TEST FREQ.	5.9 KMC
$\bar{\mathcal{E}} \perp$ ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	228m
DATE	JAN 14 [illegible]

$\bar{\mathcal{E}} = \uparrow$

$\theta° = -11$

Av. - 10m²	
Pk(1) - 145m²	
Pk(2) - 25m²	



MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	147 mc

BASIC MODEL: G2S-57S

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA

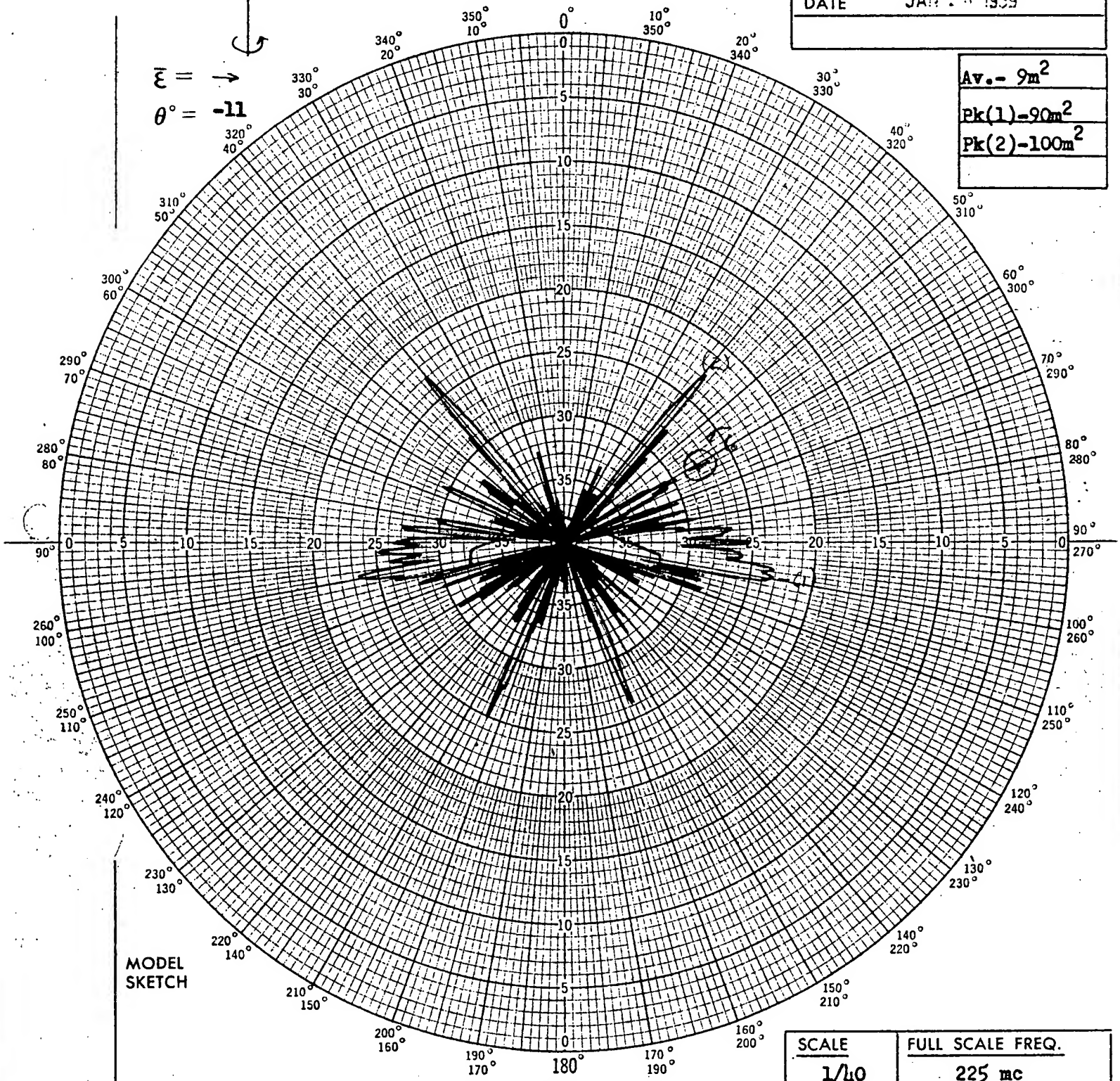
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 5
MISC.:	

MODEL NO.	253
TEST FREQ.	9 KMC
$\bar{E}$ || ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	228'
DATE	JAN 1 - 1959

Av.- 9m^2
Pk(1)-90m^2
Pk(2)-100m^2

$\bar{E}$ = →

$\theta°$ = -11



MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

BASIC MODEL: G2S-57S

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA

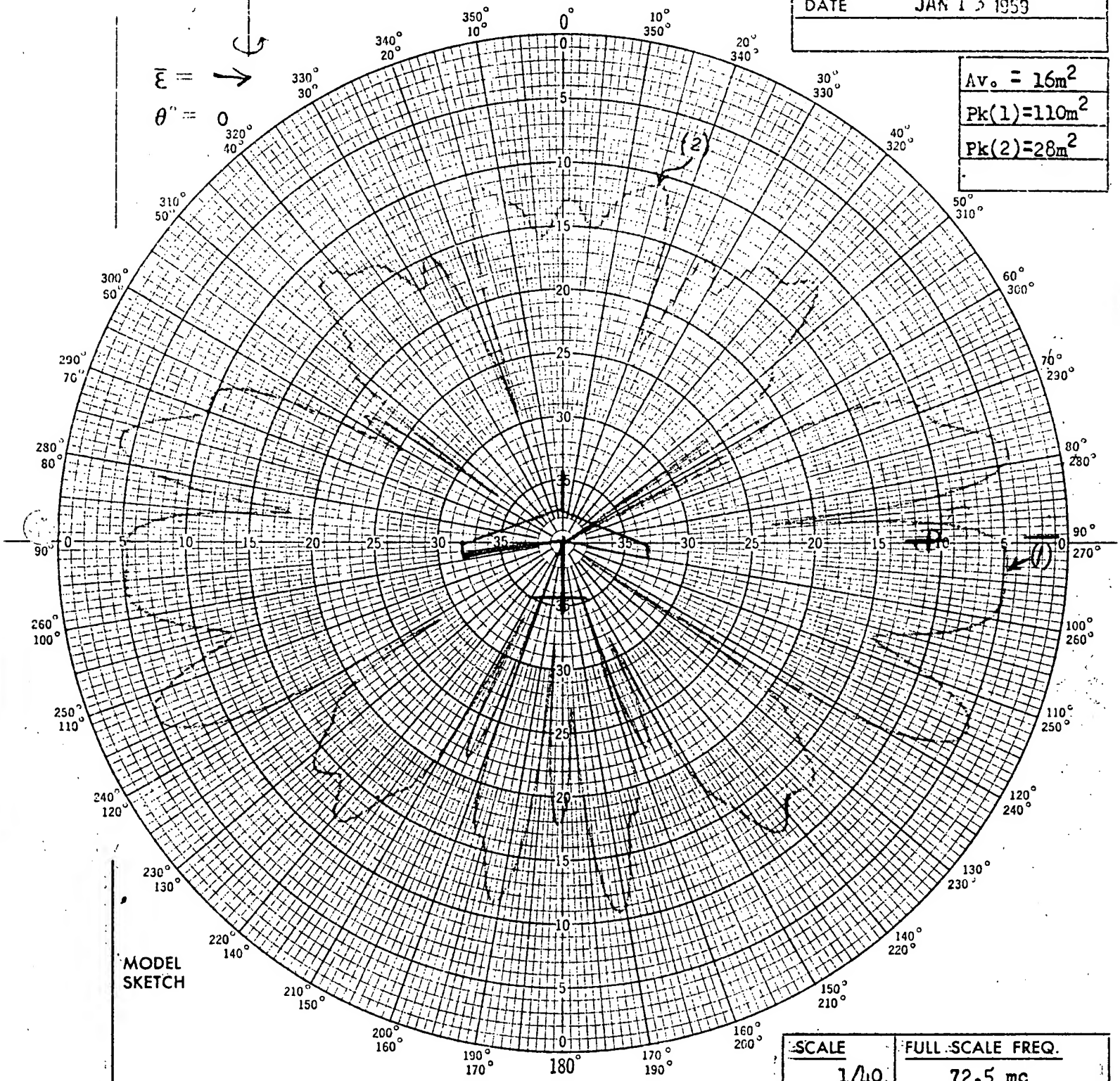
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -20
MISC.:	

MODEL NO.	171
TEST FREQ.	2.9 KMC
$\bar{E}$ //	TO AXIS OF ROTATION / TO PLANE OF SAMPLE
RANGE	62"
DATE	JAN 1 3 1959

$\bar{E} =$ →

$\theta = 0$

$Av_o = 16m^2$
$Pk(1) = 110m^2$
$Pk(2) = 28m^2$



MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: U-2

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA

Approved For Release 2009/05/28 : CIA-RDP74B00752R000100360001-6

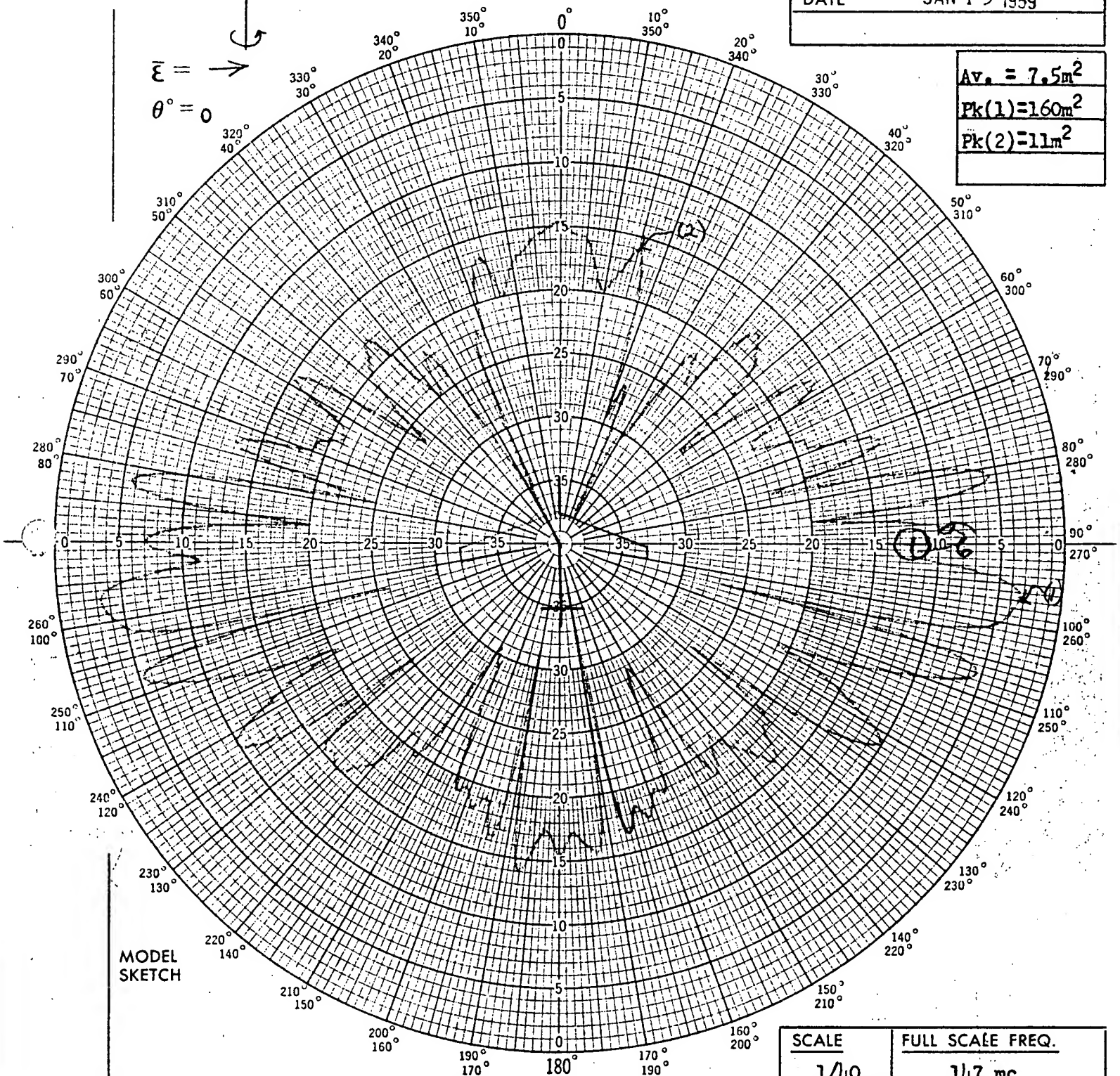
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	171
TEST FREQ.	5.9 KMC
$\bar{E}$ // ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	62"
DATE	JAN 1 3 1959

$\bar{E} =$ →

$\theta° = 0$

Av. = 7.5m²
Pk(1)=160m²
Pk(2)=11m²



MODEL SKETCH

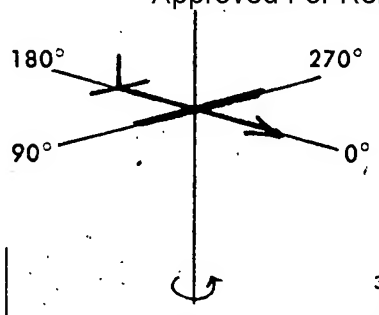
SCALE	FULL SCALE FREQ.
1/40	147 mc

BASIC MODEL: U-2

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA

Approved For Release 2009/05/28 : CIA-RDP74B00752R000100360001-6



EQUIPMENT NOTES

SOURCE: KLY	R. F. ATTEN.: 15
MISC.: 10 db Amp Atten	

MODEL NO.	171
TEST FREQ.	9 KMC
$\bar{\mathcal{E}}$ //	TO AXIS OF ROTATION / TO PLANE OF SAMPLE
RANGE	62"
DATE	JAN 1 4 1959

$\bar{\mathcal{E}} = \rightarrow$

$\theta° = 0$

Av = 1 μm^2
Pk(1) = 450 m^2
Pk(2) = 42 m^2

MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

BASIC MODEL: U-2

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA

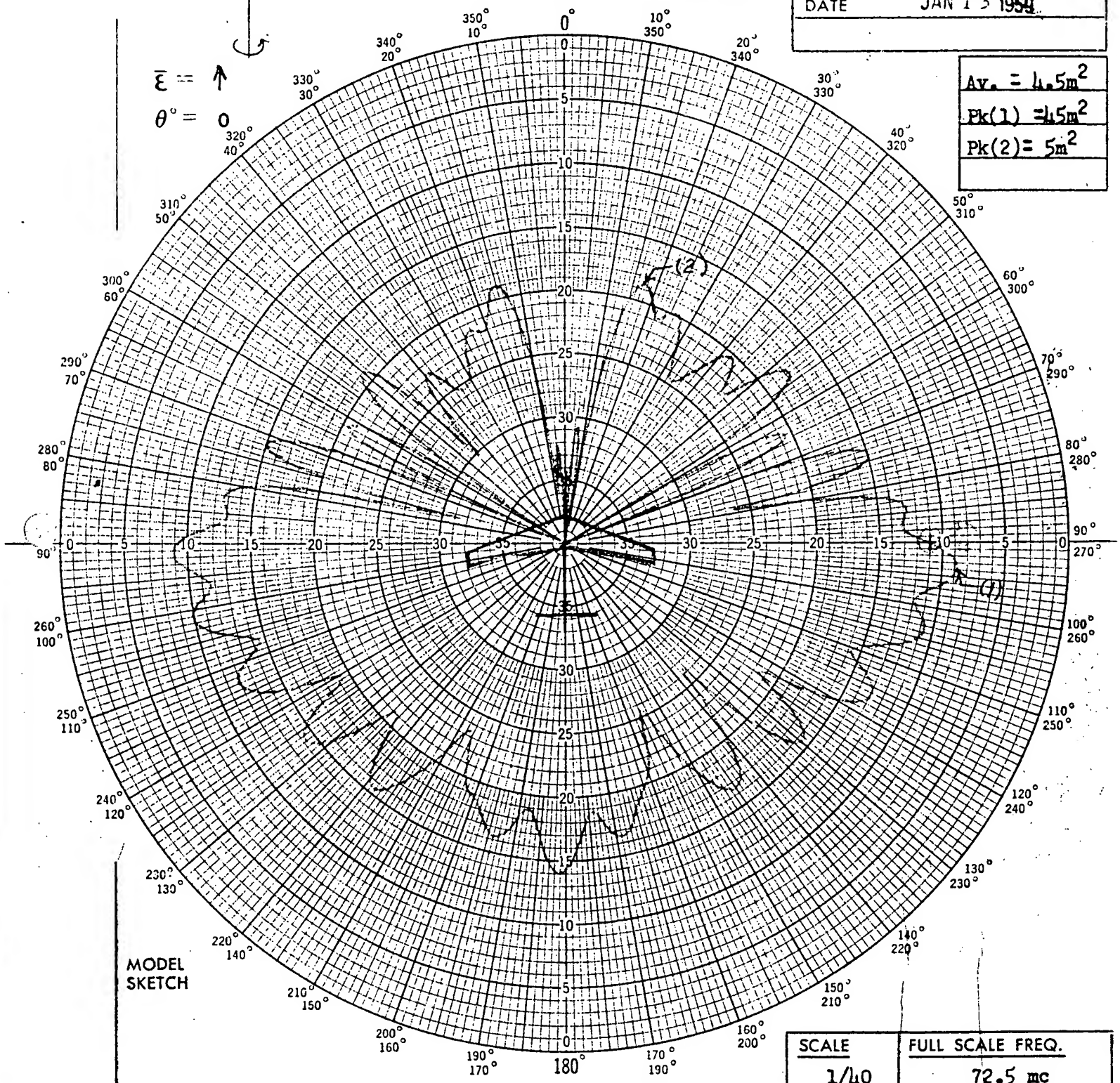
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -20
MISC.:	

MODEL NO.	171
TEST FREQ.	2.9 KMC
$\bar{\varepsilon}$ ⊥	TO AXIS OF ROTATION TO PLANE OF SAMPLE
RANGE	62"
DATE	JAN 13 1959

$\bar{\varepsilon}$ = ↑

θ° = 0

Av. = 4.5m^2
Pk(1) = 4.5m^2
Pk(2) = 5m^2



MODEL SKETCH

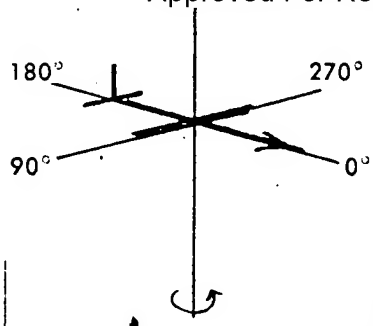
SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: U-2

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA

Approved For Release 2009/05/28 : CIA-RDP74B00752R000100360001-6



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	171
TEST FREQ.	5.9 KMC
$\bar{\mathcal{E}} \perp$ ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	62"
DATE	JAN 1 3 1959

$\bar{\mathcal{E}} =$

$\theta° =$

Av. = 7.6m^2	
Pk(1)=80m^2	
Pk(2)= 6m^2	

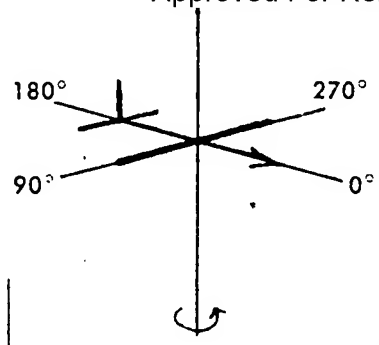
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	147 mc

BASIC MODEL: U-2

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 15
MISC.: 10 db Amp Atten	

MODEL NO.	171
TEST FREQ.	9 KMC
$\bar{\mathcal{E}}$ ⊥ ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	62"
DATE	JAN 1 4 1959

$\bar{\mathcal{E}} = \uparrow$

$\theta° = 0$

Av.	$= 9m^2$
Pk(1)	$= 300m^2$
	—

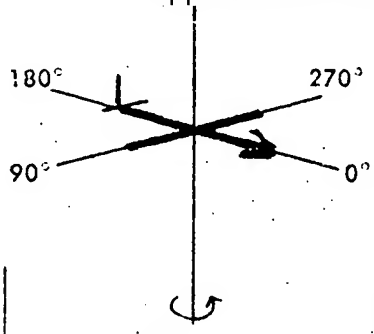
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

BASIC MODEL: U-2

DETAILS: Silver Painted Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	171
TEST FREQ.	2.9 KMC
$\bar{E}$ //	TO AXIS OF ROTATION / TO PLANE OF SAMPLE
RANGE	228 "
DATE	JAN 1 3 1959

$\bar{E}$ = →

θ° = 0

Av = 21. m^2
Peak(1)=230. m^2
Peak(2)55. m^2

MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

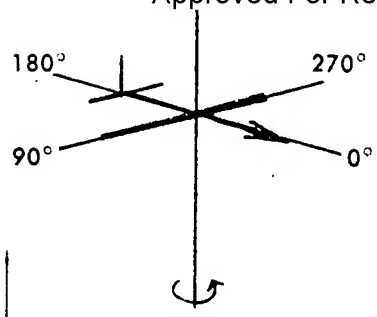
BASIC MODEL:

U-2

DETAILS:

Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



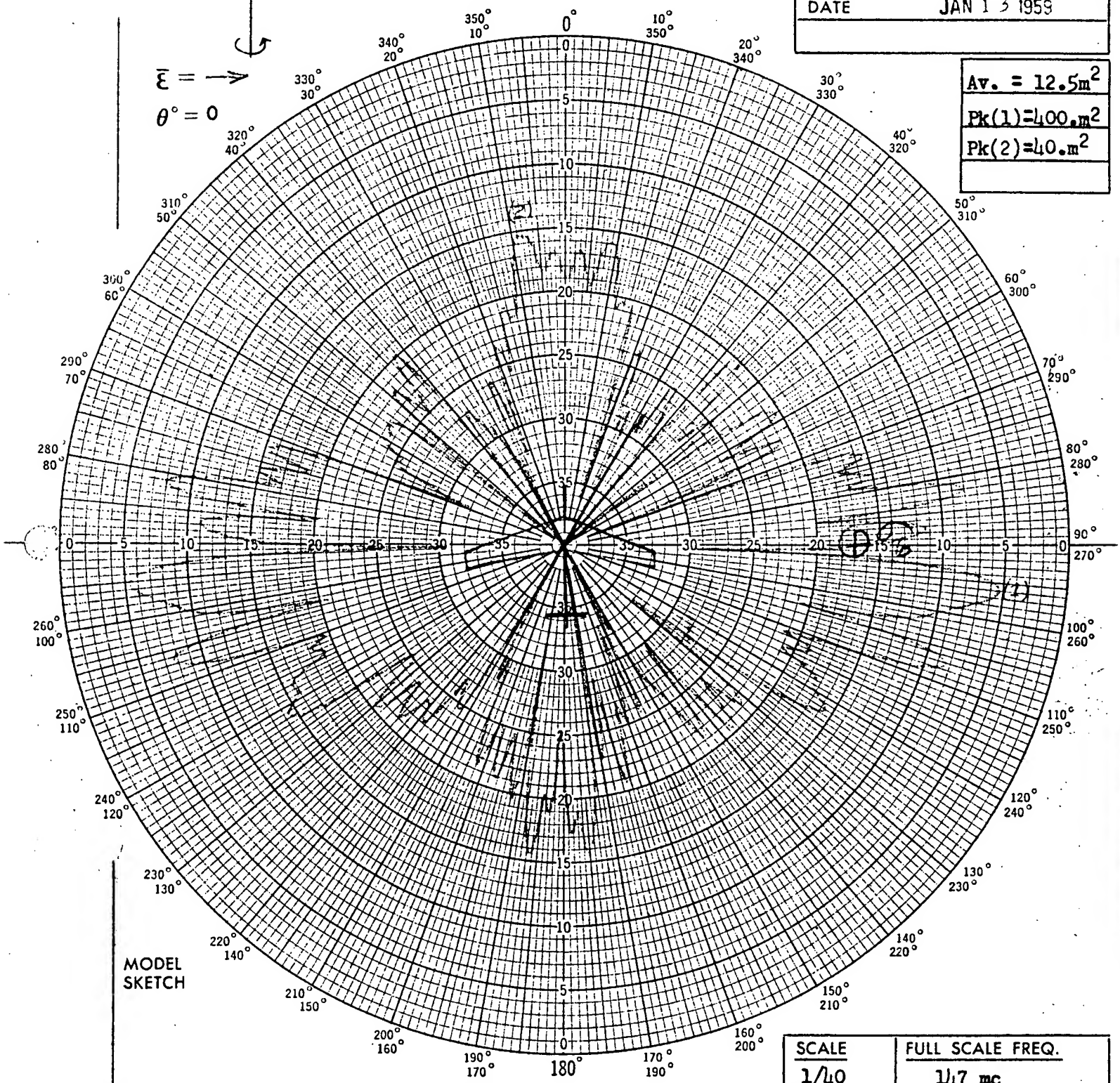
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 0
MISC.:	

MODEL NO.	171
TEST FREQ.	5.9 KMC
$\bar{E}$ // ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	228"
DATE	JAN 1 3 1959

$\bar{E} = \rightarrow$

$\theta° = 0$

Av. = 12.5m^2
Pk(1)=400.m^2
Pk(2)=40.m^2



MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	147 mc

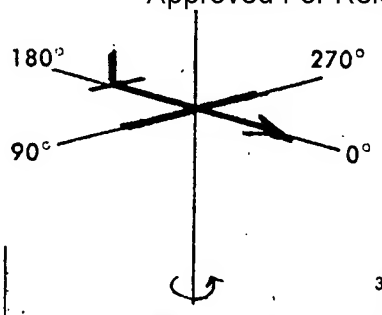
BASIC MODEL:

U-2

DETAILS:

Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 5
MISC.:	

MODEL NO.	171
TEST FREQ.	9 KMC
$\bar{E}$ ||	~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE
RANGE	228 "
DATE	JAN 1 [illegible] 1959

$\bar{E}$ = →

θ° = 0

AV= 22.0m^2
Pk(1)=500.m^2
Pk(2)=80m^2

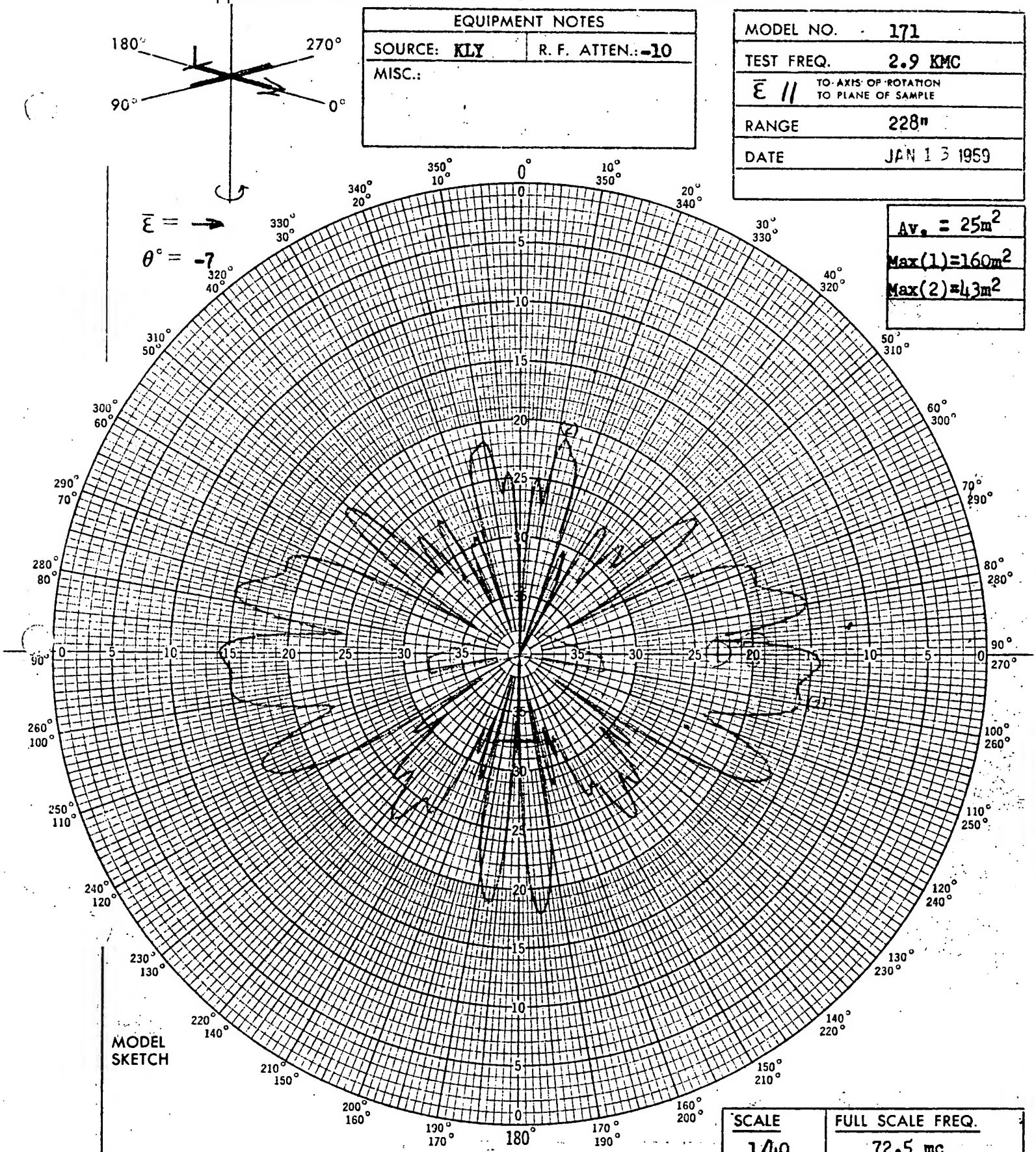
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

BASIC MODEL: U-2

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	171
TEST FREQ.	2.9 KMC
$\bar{E}$ //	TO AXIS OF ROTATION TO PLANE OF SAMPLE
RANGE	228"
DATE	JAN 13 1959

Av. = 25m²
Max(1)=160m²
Max(2)=43m²

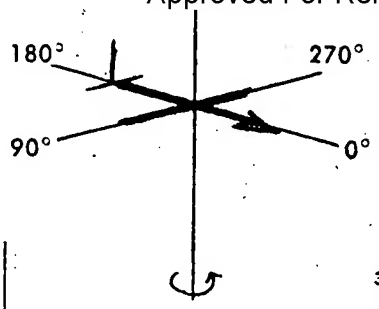
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: U-2

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 0
MISC.:	

MODEL NO.	171
TEST FREQ.	5.9 KMC
$\bar{\mathcal{E}}$ // ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	228"
DATE	JAN 1 [illegible] 1959

$\bar{\mathcal{E}}$ = →

$\theta° = -7$

Av. = 9m^2	
Pk(1) = 200m^2	
Pk(2) = 40m^2	

MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	147 mc

BASIC MODEL:	U-2
DETAILS:	Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA

EQUIPMENT NOTES

SOURCE: KLY | R. F. ATTEN.: 5

MISC.:

MODEL NO. 171

TEST FREQ. 9 KMC

$\bar{\varepsilon}$ ⊥ ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE

RANGE 228"

DATE JAN 1 4 1959

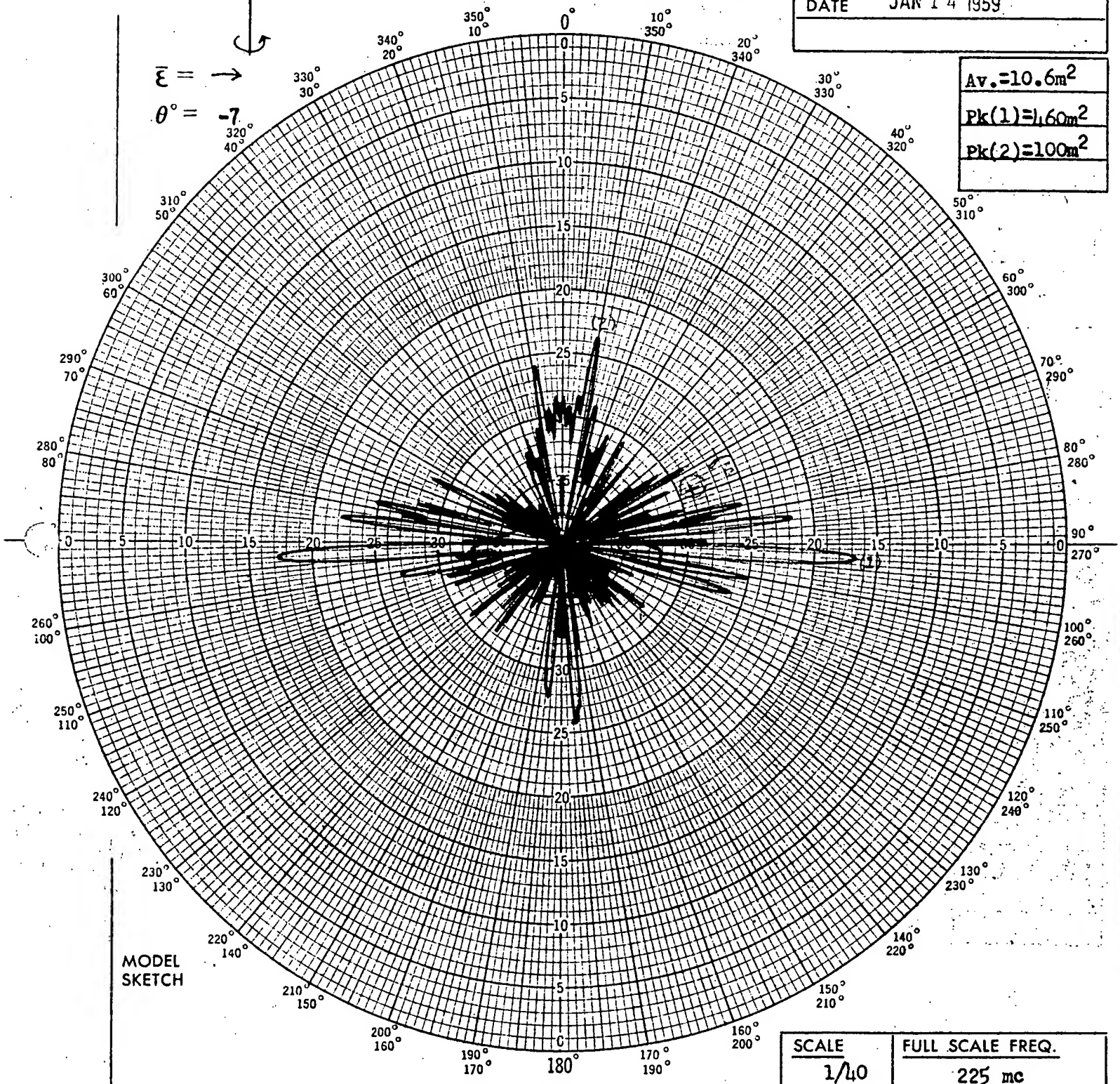
$\bar{\varepsilon} = \rightarrow$

$\theta° = -7$

Av.=10.6m²

Pk(1)=1.60m²

Pk(2)=100m²



MODEL SKETCH

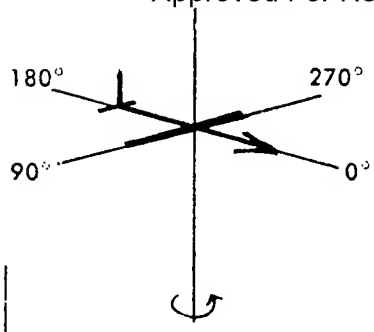
SCALE	FULL SCALE FREQ.
1/40	225 mc

BASIC MODEL: U-2

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA

Approved For Release 2009/05/28 : CIA-RDP74B00752R000100360001-6



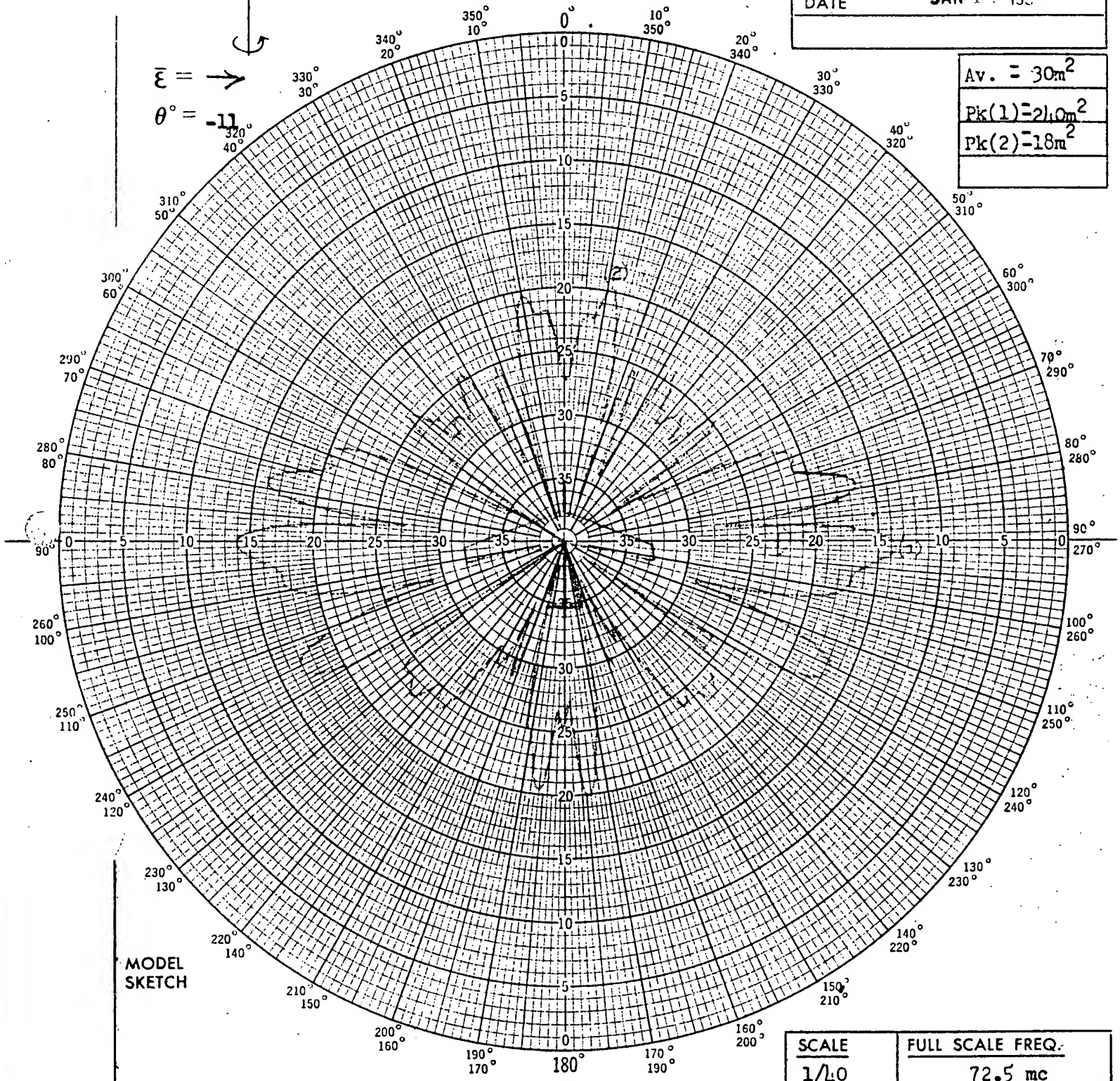
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	171
TEST FREQ.	2.9 KMC
$\bar{\varepsilon}$ //	TO AXIS OF ROTATION TO PLANE OF SAMPLE
RANGE	228m
DATE	JAN 1 3 1959

$\bar{\varepsilon} = \rightarrow$

$\theta° = -11$

Av. = 30m^2
Pk(1)=240m^2
Pk(2)=18m^2



MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: U-2

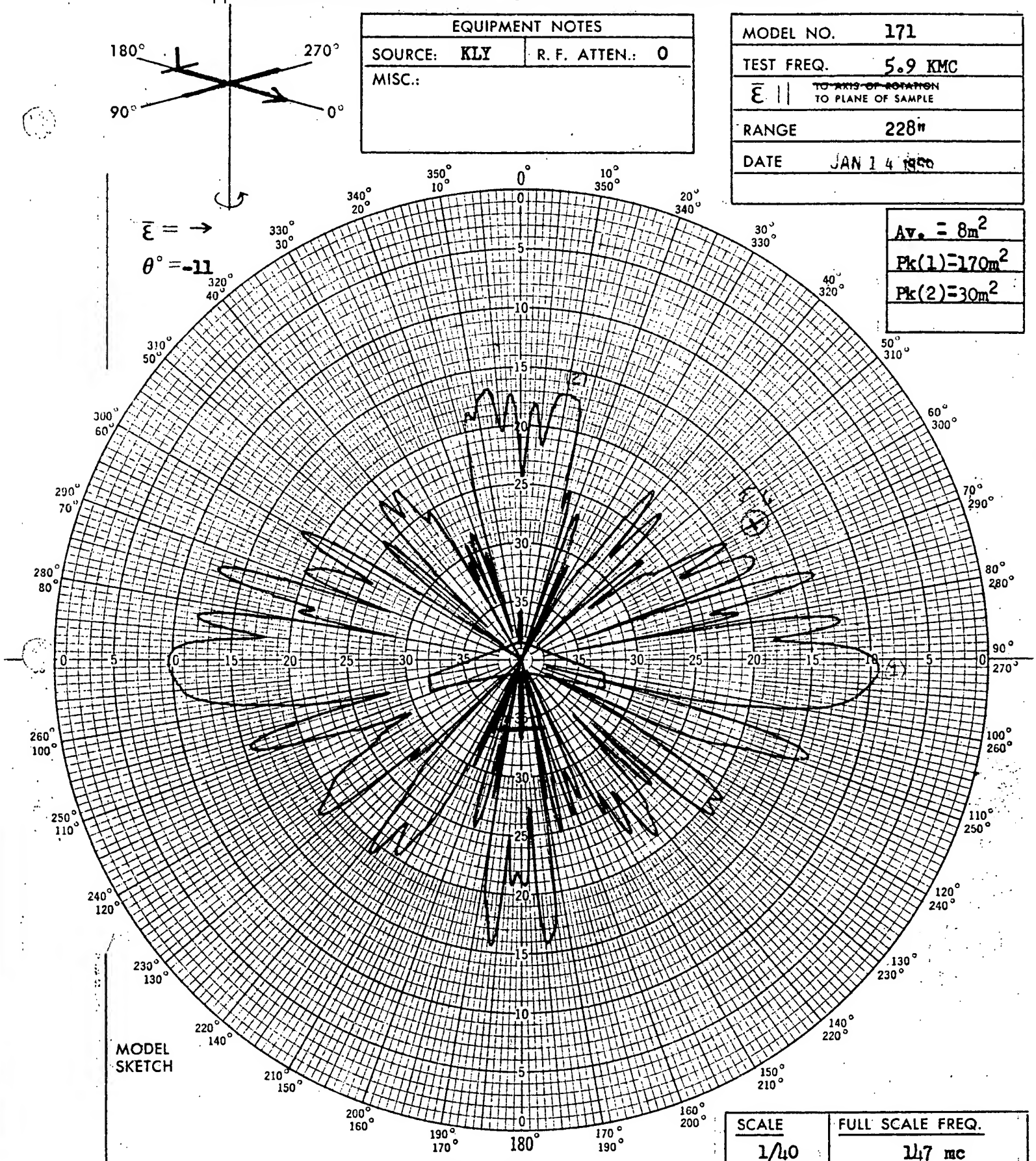
DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA

EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 0
MISC.:	

MODEL NO.	171
TEST FREQ.	5.9 KMC
$\bar{\varepsilon}$ || ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	228"
DATE	JAN 14 1960

Av. = 8m^2
Pk(1)=170m^2
Pk(2)=30m^2



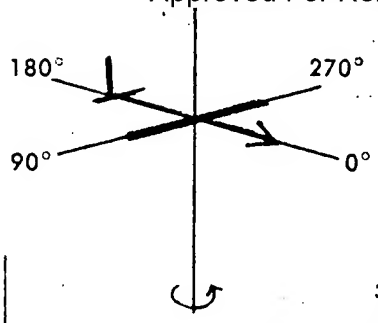
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	1147 mc

BASIC MODEL: U-2

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 5
MISC.:	

MODEL NO.	171
TEST FREQ.	9 KMC
$\bar{E}$ || ~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE	
RANGE	228"
DATE	JAN 14 1959

$\bar{\varepsilon} = \rightarrow$

$\theta° = -11°$

Av. = 15m^2
Pk(1)=230m^2
Pk(2)=85m^2

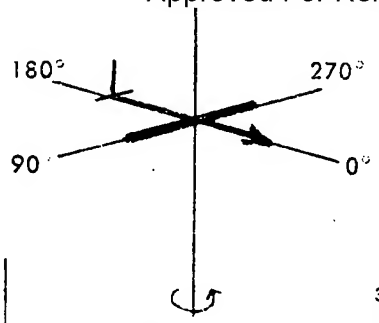
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

BASIC MODEL: U-2

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



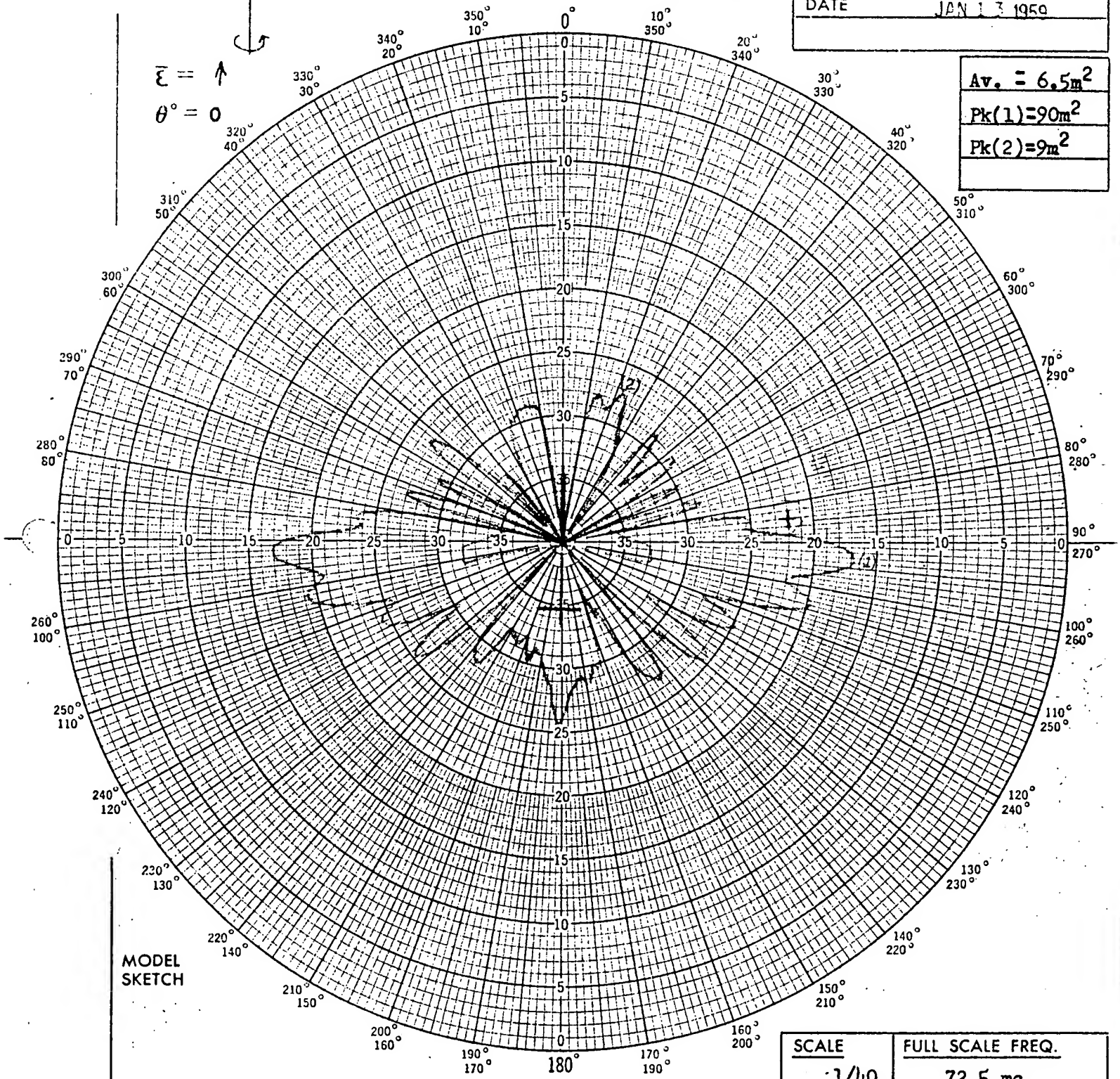
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	171
TEST FREQ.	2.9 KMC
$\bar{E}$ ⊥	TO AXIS OF ROTATION TO PLANE OF SAMPLE
RANGE	228 "
DATE	JAN 13 1959

$\bar{E}$ = ↑

$\theta^\circ = 0$

Av. = 6.5m²
Pk(1)=90m²
Pk(2)=9m²



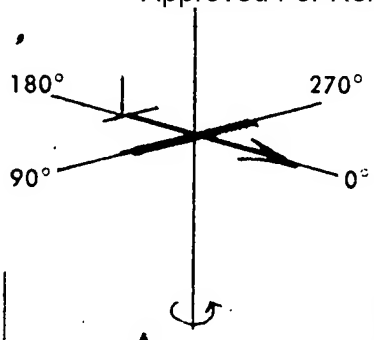
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: U-2

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



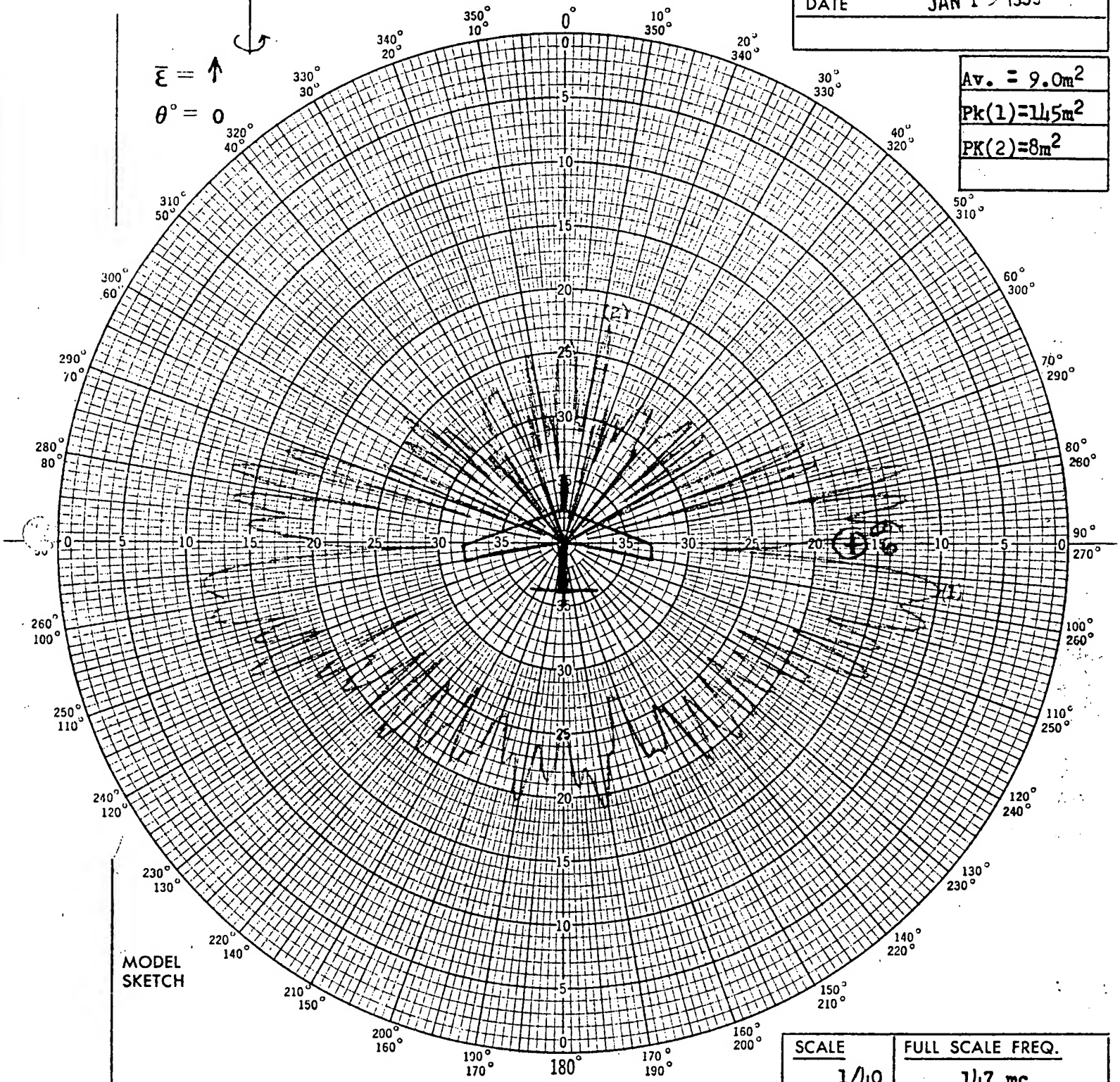
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 0
MISC.:	

MODEL NO.	171
TEST FREQ.	5.9 KMC
$\bar{E}$ ⊥	TO AXIS OF ROTATION TO PLANE OF SAMPLE
RANGE	228"
DATE	JAN 13 1959

$\bar{E}$ = ↑

θ° = 0

Av. = 9.0m²
Pk(1)=145m²
PK(2)=8m²



MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	147 mc

BASIC MODEL:

U-2

DETAILS:

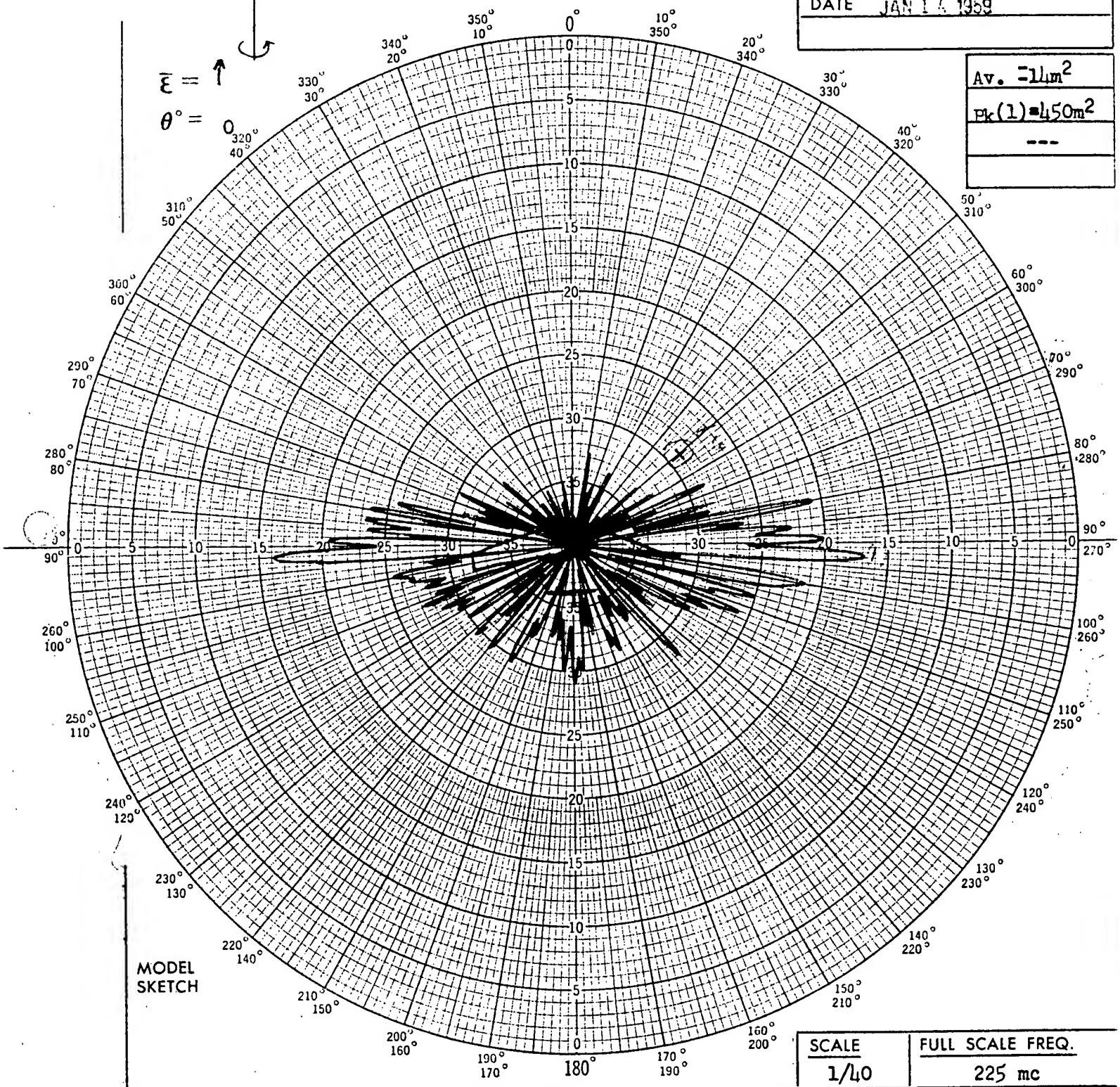
Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA

EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 5
MISC.:	

MODEL NO.	171
TEST FREQ.	9 KMC
$\bar{E}$ ⊥	~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE
RANGE	228"
DATE	JAN 1 4 1959

Av. =11m²
Pk(1)=450m²



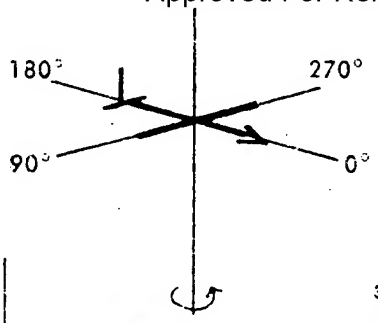
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

BASIC MODEL: U-2

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



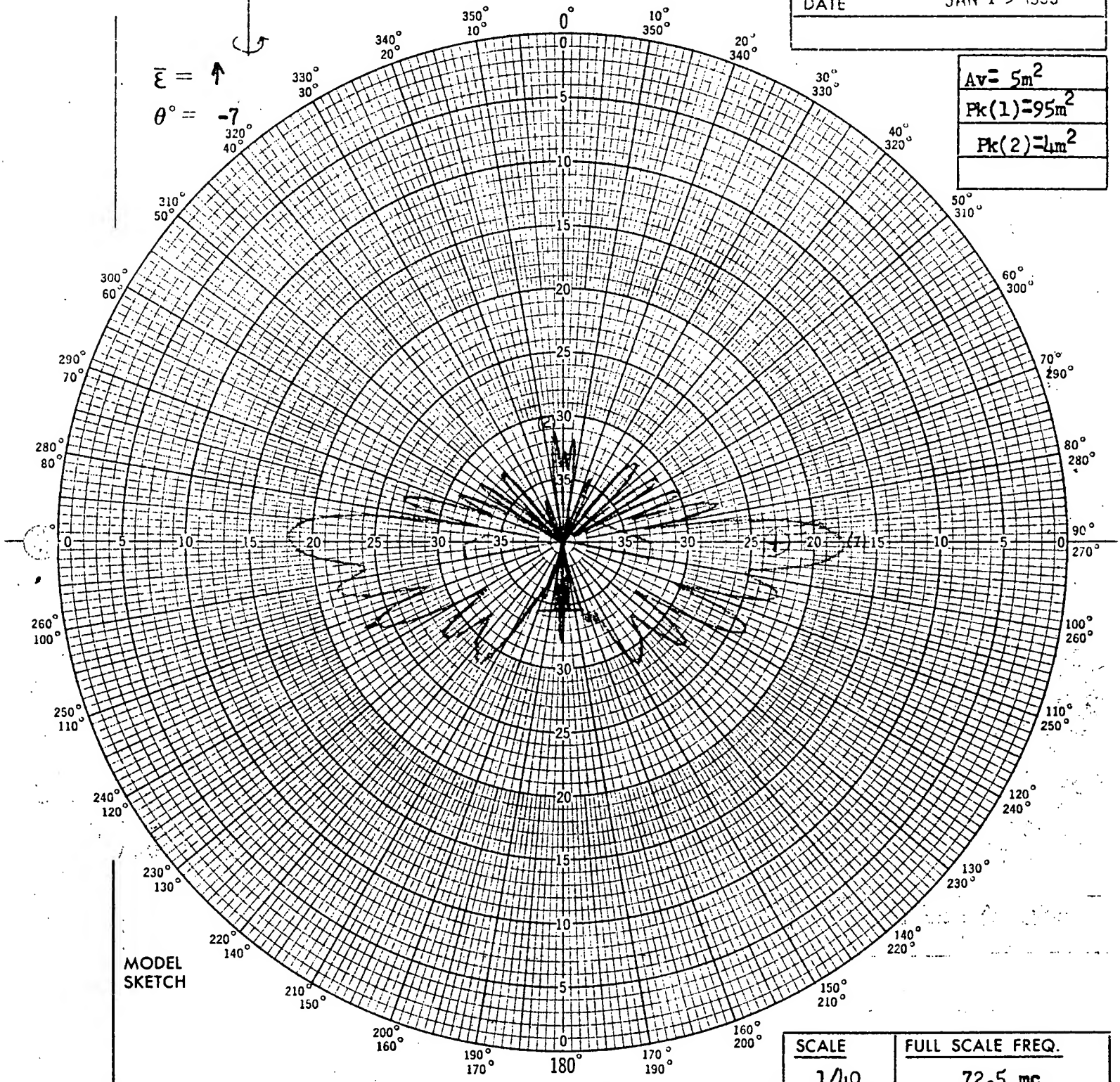
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	171
TEST FREQ.	2.9 KMC
$\bar{\varepsilon}$ ⊥ TO PLANE OF SAMPLE	
RANGE	228"
DATE	JAN 13 1959

$\bar{\varepsilon}$ = ↑

$\theta°$ = -7

Av= 5m²
Pk(1)=95m²
Pk(2)=4m²



MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: U-2

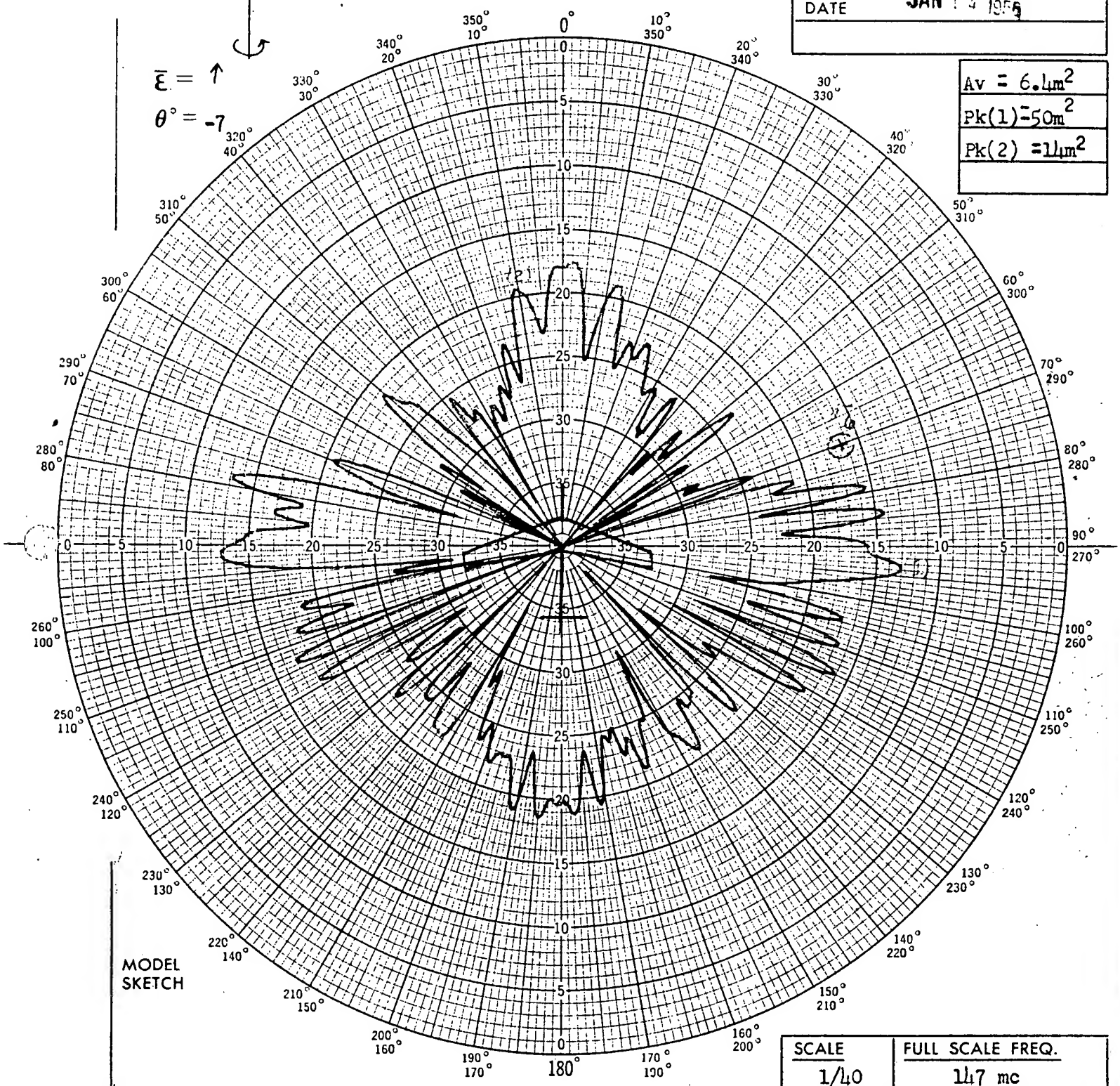
DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA

EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 0
MISC.:	

MODEL NO.	171
TEST FREQ.	5.9 KMC
$\bar{E}$ ⊥	~~TO PLANE OF ROTATION~~ TO PLANE OF SAMPLE
RANGE	228"
DATE	JAN 14 1959

Av = 6.4m^2
Pk(1) = 50m^2
Pk(2) = 14m^2



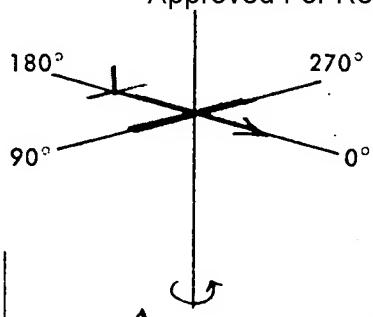
MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	14.7 mc

BASIC MODEL: U-2

DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



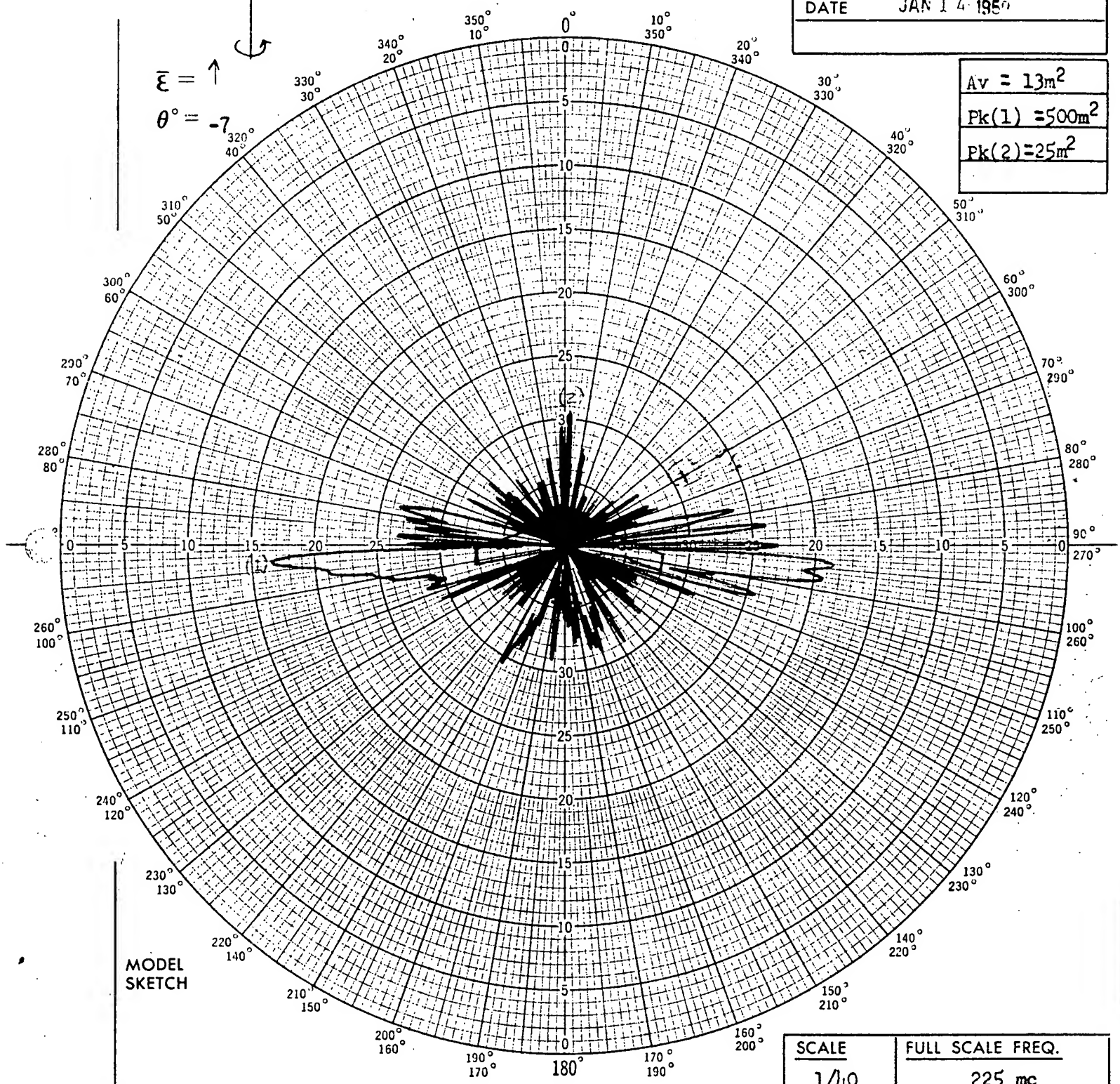
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 5
MISC.:	

MODEL NO.	171
TEST FREQ.	9 KMC
$\bar{\varepsilon} \perp$	~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE
RANGE	228"
DATE	JAN 14 1960

$\bar{\varepsilon} = \uparrow$

$\theta° = -7$

Av = 13m²
Pk(1) = 500m²
Pk(2) = 25m²

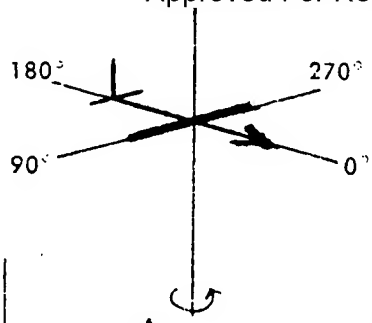


MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

BASIC MODEL: U-2
DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



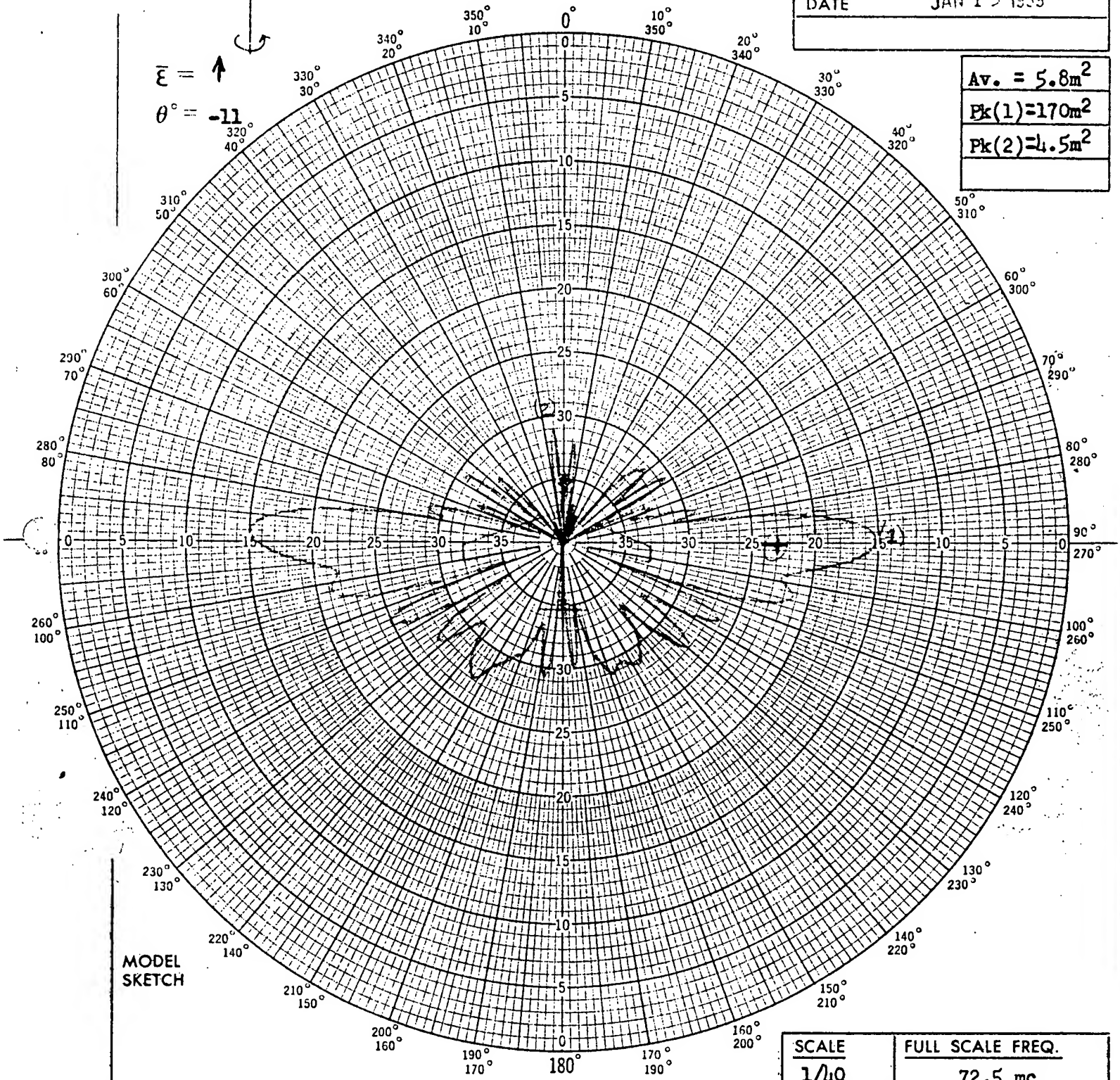
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: -10
MISC.:	

MODEL NO.	171
TEST FREQ.	2.9 KMC
$\bar{\mathcal{E}}$ ⊥	TO AXIS OF ROTATION TO PLANE OF SAMPLE
RANGE	228'
DATE	JAN 13 1959

$\bar{\mathcal{E}}$ = ↑

θ° = -11°

Av. = 5.8m²
Pk(1)=170m²
Pk(2)=4.5m²

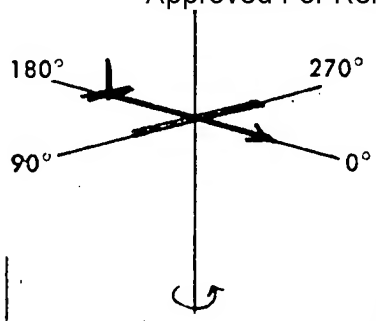


MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	72.5 mc

BASIC MODEL: U-2
DETAILS: Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



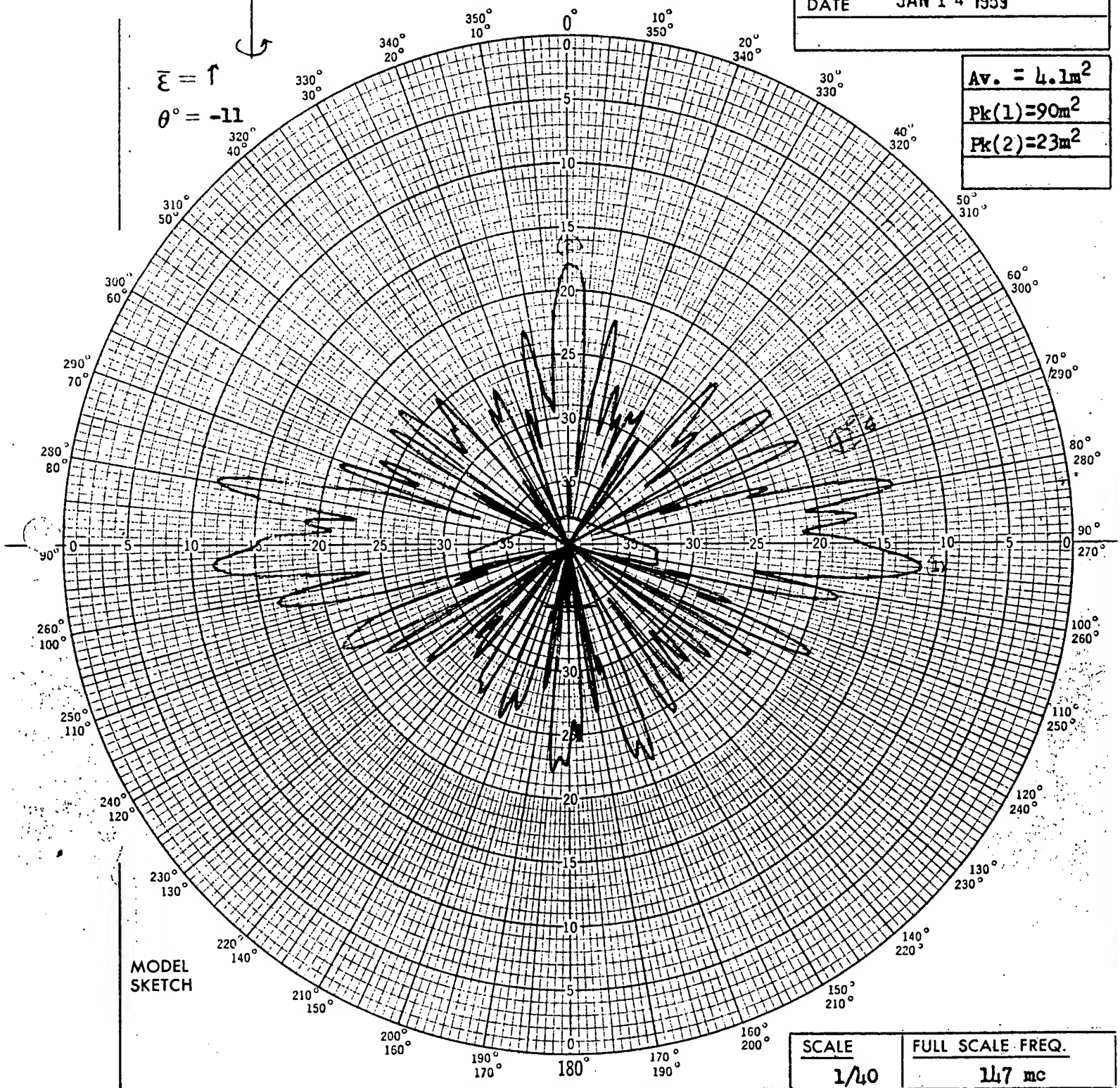
EQUIPMENT NOTES	
SOURCE: KLY	R. F. ATTEN.: 0
MISC.:	

MODEL NO.	171
TEST FREQ.	5.9 KMC
$\bar{\varepsilon} \perp$	~~TO AXIS OF ROTATION~~ TO PLANE OF SAMPLE
RANGE	228'
DATE	JAN 14 1959

$\bar{\varepsilon} = \uparrow$

$\theta° = -11$

Av. = 4.1m²
Pk(1)=90m²
Pk(2)=23m²

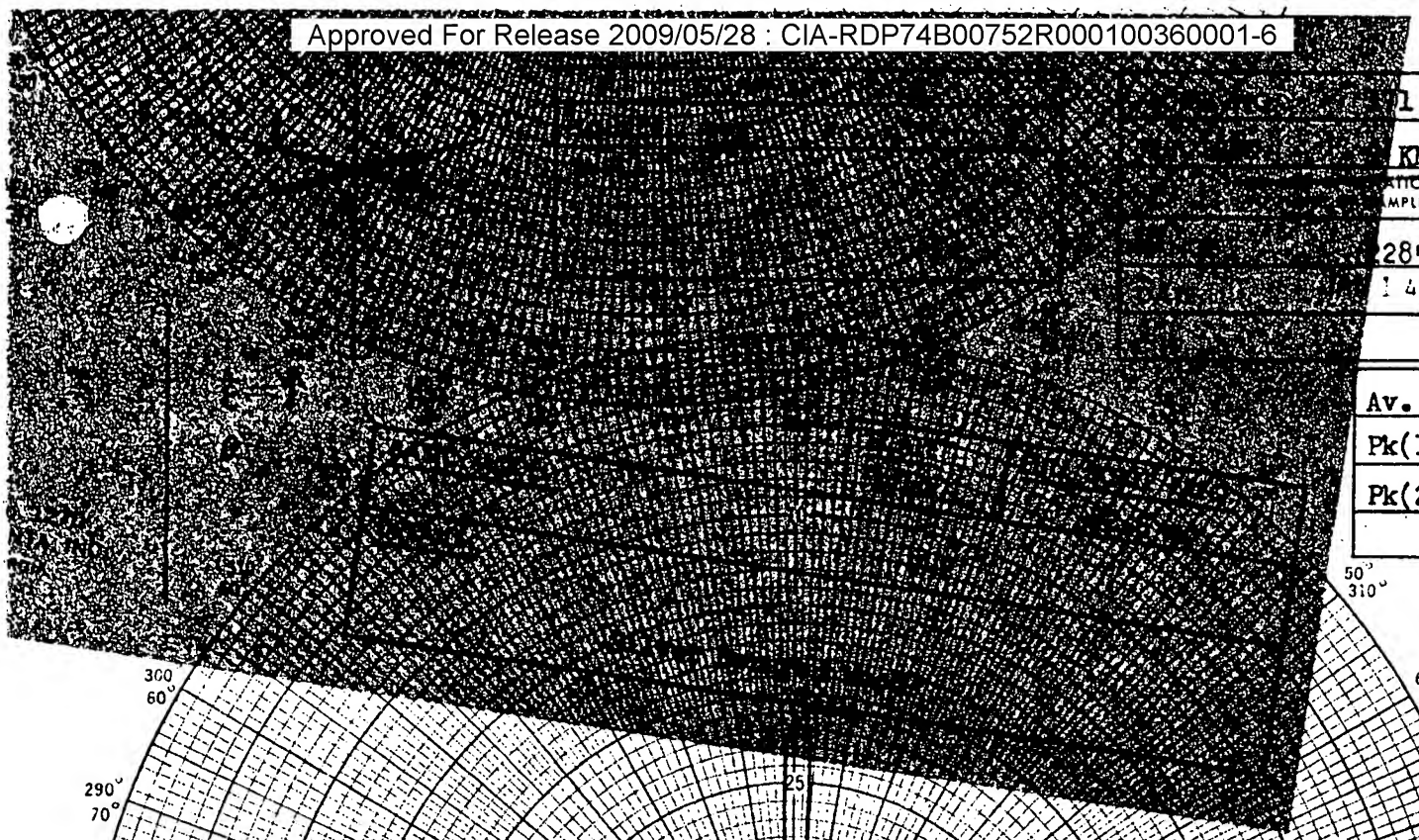


MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	147 mc

BASIC MODEL:	U-2
DETAILS:	Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA



1

KMC

ATION
MPLE

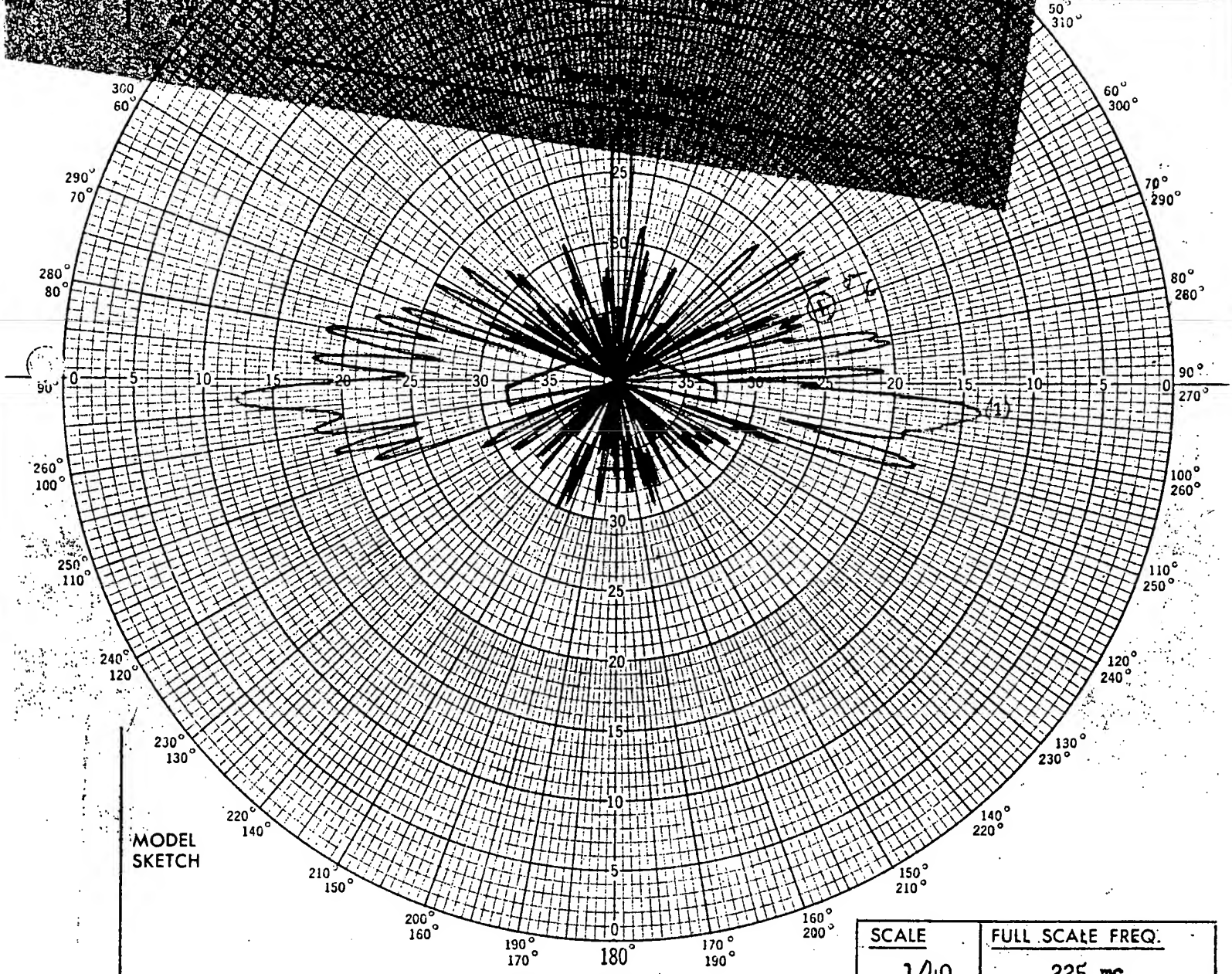
28"

1 4 1959

Av. = 8m²

Pk(1)=400m²

Pk(2)=58m²



MODEL SKETCH

SCALE	FULL SCALE FREQ.
1/40	225 mc

BASIC MODEL:

U-2

DETAILS:

Silver Sprayed Wood

Polar Chart No. 127D
SCIENTIFIC-ATLANTA, INC.
ATLANTA, GEORGIA